For Research Use Only

RPS12 Polyclonal antibody

Catalog Number:16490-1-AP



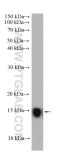


Size: GenelD (NCB): Recommended Dilutions: 1350/l, Concentration: 350 ug/ml by 626 WB 1:10000 1:4000 Nanodrop: VINPROT ID: P5:3508 Rabbit Full Name: P1:10:10:00 1:4000 Rabbit Full Name: P1:10:200 Isotype: rhbosonal protein S12 IF/ICC 1:200-1:800 IgG Calculated MW: Inmunogen Catalog Number: 132 as. 15 kDa AG9615 Observed MW: 15 kDa AG9615 Observed MW: 15 kDa MB, IHC, IF IP: Hela cells, WB, IHC, IF IP: Hela cells, Numan, mouse, rat IHC: human colon cancer tissue, Interval may be performed with citrate buffer pH 9.0; (*) Alternatively, antiger retrieval with Tetuding retrieval may be performed with citrate buffer pH 9.0; (*) Alternatively, antiger retrieval with Citrate Background Information RP512 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 305 ribosomal subuni with S24 and S5 plays an important role in translational accuracy. This antibody specifically recognizes th RP512 protein. Notable Publications 23745900 Elife IHC Dhaval Varshney 34815422 Storage Storage: Storage: Storage iffer: Storage:		Size:		BI).	Antigen affinity purification	
Nanodrop: UNIPROTID: P25398 Source: P25398 protein/syste Rabbit Full Name: protein/syste Isotype: ribosomal protein S12 IF/IC 12:01:200 Mamunogen Catalog Number: AG9615 Observed MW: Isota Stola VW: INIF/373 cells, Hela cells, MCF-7 cells Cited Applications: cells IP: Hela cells, WB, IHC, IF /ICC, IP, EUSA VW: INIF/373 cells, Hela cells, MCF-7 cells WB, IHC, IF /ICC, IP, EUSA VW: INIF/373 cells, Hela cells, MCF-7 cells WB, IHC, IF /ICC, IP, EUSA VW: INIF/373 cells, Hela cells, IF/ICC : HepG2 cells, Numan, mouse, dosophila IF/ICC : HepG2 cells, Note-IHC : suggested antigen retrieval with TE buffer JH 6.0 Background Information RP512 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 305 ribosomal suburit with 54 and 55 plays an important role in translational accuracy.This antibody specifically recognizes the RP512 protein. Notable Publications Autho		AFOUL Companying 1 TTO () !		urg.	Recommended Dilutions:	
Source: P25398 protein lysate Rabbit Full Name: IHC 1:2:0:1:200 Isotype: ribosomal protein S12 IF/ICC 1:2:0:1:800 IgG Calculated MW Immunogen Catalog Number: 132:aa, 15 kDa AG9615 Observed MW: 15 kDa Calculated MW Immunogen Catalog Number: 132:aa, 15 kDa AG9615 Observed MW: 15 kDa Calculated MW Immunogen Catalog Number: 132:aa, 15 kDa Applications: VB, IHC, IF VB, IHC, IF IP: Hela cells, Species Specificity: IHC : human colon cancer tissue, human, mouse, drosophila Note-IHC: suggested antigen retrieval with citrate buffer pH 6.0 If C: Hela cells, Background Information RP512 (ribosomal protein 512) is a plastid ribosomal protein which is a part of the 305 ribosomal subuni with 54 and 55 plays an important role in translational accuracy. This antibody specifically recognizes th RP512 protein. Notable Publications Author Pubmed ID Journal Applic DiavalVarshney 34815422 Sci Rep WB Kevin F Chau 29745900 Elife IHC Raines Anna MAM 23760953 Development IHC Storage: Storage: Stor		15001, Concentration: 350 ug/ml by	UNIPROT ID: P25398 Full Name: ribosomal protein S12 Calculated MW:		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
Nabbt Full Name: IHC 1:20-1:200 Isotype: ribosomal protein S12 IF/ICC 1:200-1:800 IgG Calculated MV: ISOperations Immunogen Catalog Number: 132 as, 15 kDa AC9615 Observed MW: Is kDa Cited Applications: W8, IHC, IF/ICC, IP, EUSA WB: NIH/3T3 cells, HeLa cells, MCF-7 cells Cited Applications: cells W8, IHC, IF IP: HeLa cells, Species Specificity: IHC : human colon cancer tissue, human, mouse, nat IF/ICC : hepG2 cells, Cited Species: IF/ICC : hepG2 cells, Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval myth b performed with citrate buffs 2 protein. RP512 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 30S ribosomal subunit with 54 and 55 plays an important role in translational accuracy. This antibody specifically recognizes the RP512 protein. Notable Publications Author Pubmed ID Journal Applic DhavalVarshney 34815422 Sci Rep W8 Kevin F Chau 29745900 Elife IHC Raines Anna MAM 23760953 Development IHC Raines Anna MAM		Source:				
Addult Full Name: IF/ICC 1:200-1:800 Isotype: ribosomal protein 512 IF/ICC 1:200-1:800 IgG Calculated MW: Immunogen Catalog Number: 132 aa, 15 KDa AG9615 Observed MW: 135 KDa Applications: Positive Controls: WB, IHC, IF/ICC, IP, EUSA WB: NIH/3T3 cells, HeLa cells, MCF-7 cells, cells WB, IHC, IF IP: HeLa cells, Species Specificity: IHC: human colon cancer tissue, IHC: human, mouse, drosophila Notable Publications: IF/ICC : HepG2 cells, WB: TE Suggested andigen retrieval with citrate buffer pH 6.0 IF/ICC : HepG2 cells, Notable Publications: RPS12 (ribosomal protein 512) is a plastid ribosomal protein which is a part of the 305 ribosomal subuni with 54 and 55 plays an important role in translational accuracy. This antibody specifically recognizes the RPS12 protein. Notable Publications: Author Pubmed ID Journal Author Pubmed ID DhavalVarshney 34815422 Storage: Storage: Storage:						
IgG Calculated MW: Immunogen Catalog Number: 132 aa, 15 kDa AG9613 Observed MW: 15 kDa Sberved MW: 15 kDa Staba Applications Tested Applications: Positive Controls: WB, HC, IF //CC, IP, EUSA WB: NH/3T3 cells, HeLa cells, MCF-7 cells, cells Species Specificity: IP: HeLa cells, human, mouse, rat IP: HeLa cells, Iffer period IHC : human colon cancer tissue, human, mouse, rat IF/ICC : HepG2 cells, human, mouse, rat IF/ICC : HepG2 cells, human, mouse, rat IF/ICC : HepG2 cells, buffer pH 9.0; (*) Alternatively, antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval my be performed with citrate buffer pH 6.0 Background Information RP512 (ribosomal protein 512) is a plastid ribosomal protein which is a part of the 305 ribosomal subuni with 54 and 55 plays an important role in translational accuracy. This antibody specifically recognizes th RP512 protein. Notable Publications Author Pubmed ID Journal Applic DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 23760953 Development IHC Raines Anna MAM						
Age 132 au, 15 kDa Age 132 au, 15 kDa Age 0bserved MW: 15 kDa 15 kDa Applications Positive Controls: WB, HKC, IF/ICC, IP, EUSA WB : NH/3T3 cells, HeLa cells, MCF-7 cells Cited Applications: cells WB, HKC, IF/ICC, IP, EUSA cells Species Specificity: IP: HeLa cells, human, mouse, rat IHC: human colon cancer tissue, Cited Species: IHC: List au, mouse, drosophila Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 9.0; (*) Alternatively, antigen RPS12 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 305 ribosomal subunit with 54 and 55 plays an important role in translational accuracy. This antibody specifically recognizes th RPS12 protein. RPS12 protein. MB Notable Publications Author Pubmed ID Journal Applic Maines Anna MAM 23760953 Development IHC Raines Anna MAM 23760953 Development IHC Rbis with 002% sodium azide and 50% glycerol pH 7.3. Storage Storage </th <th rowspan="3">IgG</th> <th></th>		IgG				
AG9615 Observed MW: 15 kDa Applications Positive Controls: WB, IHC, IF/ICC, IP, ELISA Cited Applications: WB, IHC, IF Positive Controls: WB, IHC, IF Species Specificity: human, mouse, rat WB: NIH/373 cells, HeLa cells, MCF-7 cells cells IP: HeLa cells, IP: HeLa cells, IP: HeLa cells, IHC: human colon cancer tissue, IF/ICC: HepG2 cells, IHC: human colon cancer tissue, IF/ICC: HepG2 cells, Background Information RP512 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 305 ribosomal subuni with S4 and S5 plays an important role in translational accuracy. This antibody specifically recognizes th RP512 protein. Notable Publications Author Pubmed ID Journal Applic IP: HeC Mathor Pubmed ID Journal Applic DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 29745900 Elife IHC Raines Anna MAM 23760953 Development IHC Storage Storage buffer: PBS with 002% sodium azide and 50% glycerol pl 17.3. PS						
Applications Tested Applications: WB, HC, IF/ICC, IP, EUSA Cited Applications: WB, HC, IF Positive Controls: WB: NH/3T3 cells, MCF-7 cells, cells Species Specificity: human, mouse, rat IP: Hela cells, IP: Hela cells, HC: human colon cancer tissue, human, mouse, drosophila IHC: human colon cancer tissue, IF/ICC: HepG2 cells, Note-IHC: suggested antigen retrieval with TE buffer pH 9.0.0! (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IHC: human colon specifically recognizes th RPS12 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 305 ribosomal subuni with S4 and S5 plays an important role in translational accuracy. This antibody specifically recognizes th RPS12 protein. Notable Publications Author Pubmed ID Journal Application Kevin F Chau 29745900 Elife IHC Storage Storage Storage Euffer: Storage Buffer: PS with 0.02% sodium azide and 50% glycerol pH 7.3. Development IHC						
Apprications WB, IHC, IF/ICC, IP, EUSA WB: NH/3T3 cells, HeLa cells, MCF-7 cells, cells Cited Applications: cells cells WB, IHC, IF IP: HeLa cells, seells Species Specificity: IHC : human colon cancer tissue, IHC : human colon cancer tissue, human, mouse, rat IF/ICC : HepG2 cells, IF/ICC : HepG2 cells, Cited Species: IF/ICC : Magested antigen retrieval with IF/ICC : HepG2 cells, Notable Publications RPS12 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 305 ribosomal subuni with 54 and 55 plays an important role in translational accuracy. This antibody specifically recognizes th Notable Publications Author Pubmed ID Journal Applic DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 29745900 Elife IHC Raines Anna MAM 23760953 Development IHC Storage Storage Biffer: PB Stith 0.02% sodium azide and 50% glycerol pH 7.3.				vv.		
WB, IRL, IPIC, IP, EDA WB: NH//3T3 cells, HeLa cells, MCF-7 cells, Clied Applications: Cited Applications: cells WB, IRL, IF IP: HeLa cells, Species Specificity: IP: HeLa cells, human, mouse, rat IF/ICC : HepG2 cells, human, mouse, drosophila IF/ICC : HepG2 cells, Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval with St and S5 plays an important role in translational accuracy. This antibody specifically recognizes th RPS12 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 305 ribosomal suburi with 54 and 55 plays an important role in translational accuracy. This antibody specifically recognizes th RPS12 protein. Author Pubmed ID Journal Applic DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 29745900 Elife HIC Raines Anna MAM 23760953 Development Storage Storage: Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.	Applications	Tested Applications:		Positive Co	ontrols:	
WB, IHC, IF IP: Hela cells, Species Specificity: IHC : human colon cancer tissue, human, mouse, rat IF/ICC : HepG2 cells, Cited Species: IF/ICC : HepG2 cells, human, mouse, drosophila Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 RPS12 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 30S ribosomal subuni With S4 and S5 plays an important role in translational accuracy.This antibody specifically recognizes th RPS12 protein. Notable Publications Author Pubmed ID Journal Applic DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 2376953 Development IHC Raines Anna MAM 23760953 Development IHC Storage: Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. PBS with 0.02% sodium azide and 50% glycerol pH 7.3.		WB, IHC, IF/ICC, IP, ELISA		WB:NIH/3	T3 cells, HeLa cells, MCF-7 cells, Hep0	
Species Specificity: human, mouse, rat IHC : human colon cancer tissue, IF/ICC : HepG2 cells, IF/ICC : HepG2 cells, Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 Background Information RPS12 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 30S ribosomal subuni with S4 and S5 plays an important role in translational accuracy.This antibody specifically recognizes th RPS12 protein. Notable Publications Author Pubmed ID Journal Applic DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 29745900 Elife IHC Raines Anna MAM 23760953 Development IHC Storage: Storage: Storage Buffer. PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Storage IF 7.3.				cells		
human, mouse, at IHC: human colon cancer tissue, Cited Species: IF/ICC: HepG2 cells, human, mouse, drosophila Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 RPS12 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 30S ribosomal subuni With S4 and S5 plays an important role in translational accuracy.This antibody specifically recognizes th RPS12 protein. Notable Publications Author Pubmed ID Journal Applic DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 29745900 Elife IHC Raines Anna MAM 23760953 Development IHC Storage: Storage Storage Storage Suffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. PdS with 0.02% sodium azide and 50% glycerol pH 7.3.				IP : HeLa ce	ells,	
Cited Species: IF/ICC : HepG2 cells, human, mouse, drosophila Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 RP512 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 30S ribosomal subuni with 54 and 55 plays an important role in translational accuracy.This antibody specifically recognizes th RP512 protein. Notable Publications Author Pubmed ID DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 29745900 Elife Raines Anna M AM 23760953 Development Storage Storage: Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. PS with 0.02% sodium azide and 50% glycerol pH 7.3.				IHC : huma	in colon cancer tissue,	
human, mouse, drosophila Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 Background Information RP512 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 305 ribosomal subuni with 54 and 55 plays an important role in translational accuracy. This antibody specifically recognizes th RP512 protein. Notable Publications Author Pubmed ID Journal Applic DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 29745900 Elife IHC Raines Anna M AM 23760953 Development IHC Storage: Storage Buffer PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Storage Not So Songe Surger Su				IF/ICC : He	pG2 cells,	
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Date Rg Found for the formation with S4 and S5 plays an important role in translational accuracy. This antibody specifically recognizes the RPS12 protein. Notable Publications Author Pubmed ID Journal Applic DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 29745900 Elife IHC Raines Anna M AM 23760953 Development IHC Storage Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.		TE buffer pH 9.0; (*) Alternati retrieval may be performed w	ively, antige			
DhavalVarshney 34815422 Sci Rep WB Kevin F Chau 29745900 Elife IHC Raines Anna M AM 23760953 Development IHC Storage: Storage: Storage Buffer: Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Participation Participation	Background Information	RPS12 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 30S ribosomal subunit. Toget with S4 and S5 plays an important role in translational accuracy.This antibody specifically recognizes the 15kd RPS12 protein.				
Kevin F Chau 29745900 Elife IHC Raines Anna M AM 23760953 Development IHC Storage: Storage: Storage at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Participation Participation	Votable Publications	Author P	ubmed ID	Journal	Application	
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Storage: Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.		Kevin F Chau 2'	9745900	Elife	IHC	
Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.		Raines Anna MAM 2	3760953	Development	IHC	
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.	torage					
	, condge	Storage Buffer:		17.3.		
Aliquoting is unnecessary for -20 C storage		Aliquoting is unnecessary for -20° C s		. ,		
*** 20ul sizes contain 0.1% BSA	** 20ul sizes contain 0.1% BSA	· - ·	-			

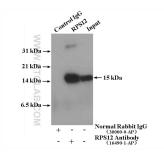
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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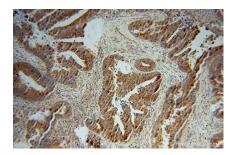
Selected Validation Data



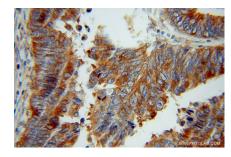
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 16490-1-AP (RP512 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



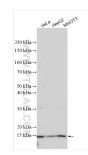
IP result of anti-RP512 (IP:16490-1-AP, 4ug; Detection:16490-1-AP 1:1000) with HeLa cells lysate 2920 ug.



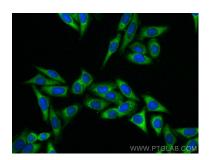
Immunohistochemical analysis of paraffinembedded human colon cancer using 16490-1-AP (RPS12 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human colon cancer using 16490-1-AP (RPS12 antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 16490-1-AP (RP512 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using RPS12 antibody (16490-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).