For Research Use Only

## Septin 7 Monoclonal antibody

Catalog Number:66542-1-lg Featured Product 2 Publications

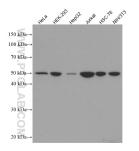
oroteintech Antibodies | ELISA kits | Proteins www.ptglab.com

Size:   GeneID (NCBI): 150ul, Concentration: 1700 ug/mL by 989 Nanodrop and 1000 ug/mL by Bradford/UNPROTID: method using BSA as the standard; Q16181   CloneNo: 1G12D1     Source:   Full Name: Mouse   Septin 7     Isotype:   Calculated MW: 1gG1   Si kDa     Immunogen Catalog Number:   Observed MW: 48-51 kDa   WB 1:5000-1:50000     Ac4309   48-51 kDa   WB 1:5000-1:50000     WB, IFC, ELISA   WB; IFC, ELISA   WB: Hela cells, HepG2 cells, HEK-293 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 tissue     WB, IF   Species Specificity: human, mouse, rat   WB; IFC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0   Positive Controls:     Backgerouund Information   Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process	Basic Information	Catalog Number: 66542-1-lg	5542-1-lg BC025987		Purification Method: Protein G purification
1504. Concentration: 1700 ug/ml by 989   1G12D1     Nanodrop and 1000 ug/ml by Bradford/UNIRCT ID: method using BSA as the standard Q145181   Recommended Dilutions: Method using BSA as the standard WI Name:   Recommended Dilutions:     Mouse   septin 7   Isi300-1:4000     Source:   Full Name:   HC 1:100-1:4000     Mouse   septin 7   Isi300-1:4000     Isotype:   Calculated MW: 1gG1   51 kDa     Immunogen Catalog Number:   Observed MW: 48-51 kDa   WB: HC : 1:300-1:4000     Applications:   WB: HEA zetls, HEK-293 cetls, Jurkat cetls, HSC-T6 cetls, NH/375 issue   WB: HEA zetls, HEK-293 cetls, Jurkat cetls, HSC-T6 cetls, NH/375 issue     MB, IF   HC : human gliomas tissue, human lung tissue, ht man, mouse, rat   HC : human gliomas tissue, human lung tissue, ht torsillitis tissue   HC : human gliomas tissue, human lung tissue, ht torsillitis tissue     Background Information   Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process including cytoskeleton organization, cytoskeletal GTPases involved in various cellular process including cytoskeleton organization, cytoskeletal GTPases involved in various cellular process including cytoskeleton organization orgotakeesis, and membrane dynamics. Septin 7 is a unique septin required filament framation: It has also been reported to be involved in magration and invasion in various cancer cells, including breast cancer and glioma.     Notable Publications </td <td rowspan="9"></td> <td>•</td>		•			
method using BSA as the standard:   Q15181   WB 1:5000-1:0000     Source:   Full Name:   IHC 1:1000-1:4000     Mouse   septin 7     Isotype:   Calculated MW:     IgG1   S1 NDa     Immunogen Catalog Number:   Observed MW:     AC4309   48-51 kDa     Applications:   Positive Controls:     WB, IHC, EUSA   WB: HeLa cells, HepG2 cells, HEK-293 cells, Jurkat     Cited Applications:   cells, HSC-76 cells, NIH7 S1 tissue     WB, IF   IHC: human gliomas tissue, human lung tissue, human lung tissue, human, mouse, rat     Cited Species:   human, mouse, rat     Cited Species:   human, mouse, rat     Mifer pH 9.0; (*) Alternatively, antigen retrieval with citrate     Wifer pH 6.0     Background Information     Septins (SEPTs) are members of a conserved family of yotskeletal GTPases involved in various calcular process including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.     Notable Publications   Zuehor   Pubmed ID   Journal   Application     Zhen Hao   39111626   J Adv Res   WB;IF </td <td></td> <td></td> <td></td> <td></td>					
method using BSA as the standard:   Q15181   WB 1:5000-1:0000     Source:   Full Name:   IHC 1:1000-1:4000     Mouse   septin 7     Isotype:   Calculated MW:     IgG1   S1 NDa     Immunogen Catalog Number:   Observed MW:     AC4309   48-51 kDa     Applications:   Positive Controls:     WB, IHC, EUSA   WB: HeLa cells, HepG2 cells, HEK-293 cells, Jurkat     Cited Applications:   cells, HSC-76 cells, NIH7 S1 tissue     WB, IF   IHC: human gliomas tissue, human lung tissue, human lung tissue, human, mouse, rat     Cited Species:   human, mouse, rat     Cited Species:   human, mouse, rat     Mifer pH 9.0; (*) Alternatively, antigen retrieval with citrate     Wifer pH 6.0     Background Information     Septins (SEPTs) are members of a conserved family of yotskeletal GTPases involved in various calcular process including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.     Notable Publications   Zuehor   Pubmed ID   Journal   Application     Zhen Hao   39111626   J Adv Res   WB;IF </td <td></td> <td colspan="2" rowspan="3">UNIPROT ID: Q16181</td> <td rowspan="2">Recommended Dilutions:</td>			UNIPROT ID: Q16181		Recommended Dilutions:
Mouse   septin 7     Isotype:   Calculated MM:     IgG1   S1 kDa     Applications   Deserved MM:     AG309   48-51 kDa     Applications   Positive Controls:     WB: HC, EUSA   WB: HeLa cells, HEK-293 cells, Jurkat     Cited Applications:   cells, HEK-293 cells, Jurkat     WB, IF   HC : human gliomas tissue, human lung tissue, hu     Species:   human, mouse, rat     Cited Species:   human, mouse, rat     Cited Species:   human, mouse, rat     Mote-HF: Suggested antigen retrieval with TE buffer pH 5.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0     Background Information   Septins (SEPTs) are members of a conserved family of cytoskeletal CTPases involved in various cellular process including tytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including the set cancer and glioma.     Notable Publications   Author   Pubmed ID   Journal   Application     Storage   Storage:   Storage   Storage   Storage		method using BSA as the standard;			
Isotype:   Calculated MV:     IgG1   51 kDa     Immunogen Catalog Number:   Observed MV:     AGa309   48-51 kDa     Applications:   VB, IHC, ELISA     Cited Applications:   WB, IHC, ELISA     WB, IHC, ELISA   WB: HELa cells, HEK-293 cells, Jurkat     Cited Applications:   WB, IHC     Species Specificity:   HC::human gliomas tissue, human lung tissue, human lung tissue, human, mouse, rat     Notable Publications:   Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process-     Including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.     Notable Publications   Author   Pubmed ID   Journal   Application     Storage:   Storage:   Storage:   Storage:   Storage:		Source:			IHC 1:1000-1:4000
IgG1   51 kDa     Immunogen Catalog Number:   AG4309     Applications:   Positive Controls:     WB, IHC, EUSA   WB: HeLa cells, HEK-293 cells, Jurkat     Cited Applications:   WB: HeLa cells, HEK-293 cells, Jurkat     WB, IF   IHC: human gliomas tissue, human lung tissue, hu     Species Specificity:   HHC: human gliomas tissue, human lung tissue, hu     human, mouse, rat   Cited Species:     Note-IHC: suggested antigen retrieval with   Tetroid Species     human, mouse, rat   Septins (SEPF1s) are members of a conserved family of cytoskeletal GTPases involved in various cellular process     Background Information   Septins (SEPF1s) are members of a conserved family of cytoskeletal GTPases involved in various cellular process     including cytoskeleton organization, cytoklinesis, and membrane dynamics. Septin 7 is a unique septin required     filament formation   Septins (SEPF1s) are members of a conserved family of cytoskeletal GTPases involved in various cellular process     including breast cancer and glioma.   Notable Publications     Xuthor   Pubmed ID   Journal   Application     Zhen Hao   3911626   J Adv Res   WB,IF     Juan Sun   38369484   Cancer Cell Int   WB     Storage:   Storag		Mouse	septin 7		
Applications   Tested Applications: WB, HC, EUSA   Positive Controls: WB, HC, EUSA     Applications   WS: HeLa cells, HEK-293 cells, Jurkat Cited Applications: WB, IF   WS: HeLa cells, HEC-293 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 tissue     Species Specificity: human, mouse, rat   HEC: Inuman gliomas tissue, human lung tissue, hu tonsillitis tissue     Background Information   Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.     Notable Publications   Author   Pubmed ID   Journal   Application MB, IF     Storage   Storage: Storage   Storage: Storage   Storage			Calculated MW:		
AG4309 Description   AG4309 48-51 kDa   Applications Positive Controls:   WB, IHC, ELISA WB: HeLa cells, HepG2 cells, HEK-293 cells, Jurkat   Cited Applications: WB: F   WB, IF IHC : human gliomas tissue, human lung tissue, human lung tissue, human mouse, rat   Cited Species: human, mouse, rat   Mote-HHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0   Background Information Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.   Notable Publications Author Pubmed ID Journal Application   Zhen Hao 39111626 J Adv Res WB,IF   Juan Sun 38369484 Cancer Cell Int WB		lgG1	51 kDa		
WB, IHC, ELISA   WB: HeLa cells, HepG2 cells, HEK-293 cells, Jurkat     Cited Applications:   cells, HSC-T6 cells, NIH/3T3 tissue     WB, IF   IHC: human gliomas tissue, human lung tissue, hu     Species:   human, mouse, rat     Cited Specificity:   tonsillitis tissue     human, mouse, rat   Cited Species:     human, mouse, rat   Note-IHC: suggested antigen retrieval with     TE buffer pH 9.0; (*) Alternatively, antigen   retrieval may be performed with citrate     buffer pH 6.0   Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process     including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required     filament formation.   Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process     including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required     filament formation.   Author     Pubmed ID   Journal     Author   Pubmed ID     Juan Sun   38369484     Caner Cell Int   WB     Storage:   Storage buffer.					
Wb, IRC, ELDA   WB, IRC, 2204     Wb, IRC, ELDA   WB, IRC, 2204     Cited Applications:   cells, HEC-293 cells, VIRCA 223 cells, Jurkat     WB, IF   IRC, ELDA     Species Specificity:   IRC 2014     human, mouse, rat   IRC 2014     Cited Species:   human, mouse, rat     Note-IRC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0     Background Information   Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.     Notable Publications   Author   Pubmed ID   Journal   Application     Zhen Hao   3911626   J Adv Res   WB, IF     Juan Sun   38369484   Cancer Cell Int   WB     Storage:   Storage:   Storage Buffer:   Storage Buffer:	Applications			Positive Cont	rols:
WB, IF   IHC: human gliomas tissue, human lung tissue, human lung tissue, human mouse, rat     Cited Species: human, mouse, rat   Internatively, antigen retrieval may be performed with citrate buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate     Background Information   Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.     Notable Publications   Author   Pubmed ID   Journal   Application     Storage:   Storage:   Storage:   Storage Buffer.   Storage Buffer.	. T. F	WB, IHC, ELISA		WB : HeLa cel	ls, HepG2 cells, HEK-293 cells, Jurkat
Species Specificity: human, mouse, rat   tonsillitis tissue     Cited Species: human, mouse, rat   tonsillitis tissue     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   Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.     Notable Publications   Author   Pubmed ID   Journal   Application Unant     Zhen Hao   39111626   J Adv Res   WB,IF     Juan Sun   38369484   Cancer Cell Int   WB     Storage:   Storage: Storage Buffer:   Storage Buffer:				cells, HSC-T6	cells, NIH/3T3 tissue
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Cited Species:     human, mouse, rat     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     Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process     including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required     filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.     Notable Publications   Author   Pubmed ID   Journal   Application     Zhen Hao   39111626   J Adv Res   WB/F     Juan Sun   38369484   Cancer Cell Int   WB     Storage:   Storage:   Storage:   Storage Buffer:				tonsillitis tiss	sue
human, mouse, rat     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     Septins (SEPTs) are members of a conserved family of cytoskeletal GTPases involved in various cellular process including cytoskeleton organization, cytokinesis, and membrane dynamics. Septin 7 is a unique septin required filament formation. It has also been reported to be involved in migration and invasion in various cancer cells, including breast cancer and glioma.     Notable Publications   Author   Pubmed ID   Journal   Application     Zhen Hao   39111626   J Adv Res   WB,IF     Juan Sun   38369484   Cancer Cell Int   WB     Storage: Storage Buffer:   Storage Buffer:   Storage Buffer:					
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Zhen Hao   39111626   J Adv Res   WB,IF     Juan Sun   38369484   Cancer Cell Int   WB     Storage:   Storage:   Storage after shipment.   Storage Buffer:	Background Information				
Zhen Hao   39111626   J Adv Res   WB,IF     Juan Sun   38369484   Cancer Cell Int   WB     Storage:   Storage:   Storage at -20°C. Stable for one year after shipment. Storage Buffer:	Notable Publications	Author Pubi	med ID Jour	rnal	Application
Storage: Store at -20°C. Stable for one year after shipment. Storage Buffer:		Zhen Hao 391:	11626 J Ac	lv Res	
Store at -20°C. Stable for one year after shipment. Storage Buffer:		Juan Sun 3836	59484 Can	cer Cell Int	WB
Storage Buffer:			er shipment.		
	Storage	Store at -20 C. Stable for one year and			
Aliquoting is unnecessary for -20°C storage	Storage	Storage Buffer: PBS with 0.02% sodium azide and 50%	0, 1		
*** 20ul sizes contain 0.1% BSA		Storage Buffer: PBS with 0.02% sodium azide and 50%	0, 1		

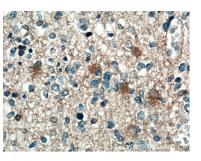
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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## Selected Validation Data



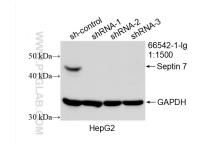
Various lysates were subjected to SDS PAGE followed by western blot with 66542-1-lg (Septin 7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 66542-1-1g (Septin 7 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 66542-1-lg (Septin 7 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Septin 7 antibody (66542-1-Ig; 1:1500; incubated at room temperature for 1.5 hours) with sh-Control and sh-Septin 7 transfected HepG2 cells.