For Research Use Only

## C16orf84 Polyclonal antibody

Catalog Number:23337-1-AP

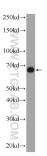


method using BSA as the standard; Q2VPK5 protein lysate   Source: Full Name: HC 1:20-1:200   Rabbit chromosome 16 open reading frame IF/ICC 1:200-1:800   Isotype: 84   IgG Calculated MW:   Immunogen Catalog Number: 515 aa, 56 kDa   AG18428 Observed MW:   65-68 kDa Observed MW:   65-68 kDa VB, IHC, IF/ICC, IP, ELISA   WB, IHC, IF/ICC, IP, ELISA WB : HepG2 cells, mouse liver tissue, mouse spl   Species Specificity: tissue, Raji cells   Note-IHC: suggested antigen retrieval with IHC : human kidney tissue   Tested Applications: IP : HepG2 cells,   Note-IHC: suggested antigen retrieval with IHC : human kidney tissue   Tested Application protein 2 (CUT2), also named as C16orf84 or NCS2, is a 515 amino acid protei   witch belongs to the CUT2 family. C16orf84 localizes in the cytoplasm and Plays a central role in 2-thiolation mcm552U at tRNA wobble positions of tRNA[Lys], tRNA(Glu) and tRNA(Glu). C16orf84 may act by forming a	Basic Information	Catalog Number: 23337-1-AP	GenBank Accession Number BC125269	er: Purification Method: Antigen affinity purification	
method using BSA as the standard: Q2VPKS protein lysate   Source: Full Name: HC 1:20-1:200   Rabbit chromosome 16 open reading frame HC 1:20-1:300   Isotype: 84 IgG Calculated MW:   Immunogen Catalog Number: 515 aa, 56 kDa Observed MW:   65-68 kDa Observed MW: 65-68 kDa   AG18428 Observed MW: 65-68 kDa   Species Specificity: tissue, Raji cells   human, mouse IP: HepG2 cells, mouse liver tissue, mouse spl   Species Specificity: tissue, Raji cells   human, mouse IP: HepG2 cells,   Background Information Cytoplasmic tRNA 2-thiolation protein 2 (CUT2), also named as C16orf84 or NCS2, is a 515 amino acid protein   which belongs to the CUT2 family. C16orf8a localizes in the cytoplasm and Plays a central role in 2-thiolation   mcm52U at tRNA wobble positions of RNA(Lys), tRNA(Clu) and tRNA(Cln). C16orf8a may act by forming a heterodiner with CTU1/ATPRD3 that ligates sulfur from thio-carboxylated URM1 onto the uridine of tRNAs s at wobble position.   Storage Storage: Storage furfier:   PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage			· · · ·		
Source: Full Name: IF/ICC 1:200-1:800   Rabbit chromosome 16 open reading frame Isotype: 84   IgG Calculated MW: Immunogen Catalog Number: 515 aa, 56 kDa   AG18428 Observed MW: 65-68 kDa   Applications Tested Applications: Positive Controls:   WB, IHC, IF/ICC, IP, ELISA WB: HepG2 cells, mouse liver tissue, mouse spl   Species Specificity: tissue, Raji cells   human, mouse IP: HepG2 cells,   Note-IHC: suggested antigen retrieval with IHCC: HEK-293 cells,   Background Information Cytoplasmic tRNA 2-thiolation protein 2 (CUT2), also named as C16orf84 or NCS2, is a 515 amino acid protein which belongs to the CUT2 family. C16orf84 localizes in the cytoplasm and Plays a central note in z-thiolation motion calizes in the cytoplasm and Plays a central note in z-thiolation motion calizes in the cytoplasm and Plays a central note in z-thiolation motion thio-carboxylated UIM1 onto the undine of tRNAs at wobble position.   Storage Storage:   Storage buffer: Storage			UNIFROTID.	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
Isotype: 84   IgG Calculated MW:   Immunogen Catalog Number: 515 aa, 56 kDa   AG18428 Observed MW:   65-68 kDa 65-68 kDa   Applications: VB, IHC, IF/ICC, IP, EUSA   Species Specificity: WB: HepG2 cells, mouse liver tissue, mouse spl   human, mouse IP: HepG2 cells,   Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate IP: HepG2 cells,   buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate IF/ICC: HEK-293 cells,   buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate IF/ICC: HEK-293 cells,   buffer pH 9.0; alto named as C16orf84 or NCS2, is a 515 amino acid protein which belongs to the CUT2 family. C16orf84 localizes in the cytoplasm and Plays a central role in 2-thiolation mcm5520 at tRNA wobble positions of tRNA(Glu), and tRNA(Glu), C16orf84 may act by forming a heterodimer with CTU1/ATPBD3 that ligates sulfur from thio-carboxylated URM1 onto the uridine of tRNAs at wobble position.   Storage Storage   Storage Buffer: PBS with 0.029% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage			Full Name:	IF/ICC 1:200-1:800	
Immunogen Catalog Number: St5 as, 56 kDa   AG18428 Observed MW: 65-68 kDa   Applications Tested Applications: WB, IHC, IF/ICC, IP, ELISA Positive Controls: WB: HepG2 cells, mouse liver tissue, mouse spl tissue, Raji cells   Species Specificity: human, mouse IP: HepG2 cells, mouse liver tissue, mouse spl tissue, Raji cells   Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IHC: human testis tissue, human kidney tissue   Background Information Cytoplasmic tRNA 2-thiolation protein 2 (CUT2), also named as C16orf84 or NCS2, is a 515 amino acid protein which belongs to the CUT2 family. C16orf84 localizes in the cytoplasm and Plays a central role in 2-thiolatio mcm552U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). C16orf84 may act by forming a heterodimer with CTU1/ATPBD3 that Ligates sulfur from thio-carboxylated URM1 onto the uridine of tRNAs at wobble position.   Storage Storage Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage		IgG	. 84		
Applications Positive Controls:   WB, IHC, IF/ICC, IP, ELISA WB: HepG2 cells, mouse liver tissue, mouse spl tissue, Raji cells   Species Specificity: IVB: HepG2 cells, mouse liver tissue, mouse spl tissue, Raji cells   Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IP: HepG2 cells, IHC: human kidney tissue   Background Information Cytoplasmic tRNA 2-thiolation protein 2 (CUT2), also named as C16orf84 or NCS2, is a 515 amino acid protei which belongs to the CUT2 family. C16orf84 localizes in the cytoplasm and Plays a central role in 2-thiolatio mcm552U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Glu). C16orf84 may act by forming a heterodimer with CTU1/ATPBD3 that ligates sulfur from thio-carboxylated URM1 onto the uridine of tRNAs at wobble position.   Storage Storage: Storage: Storage CStorage   Storage Buffer: PS with 0.02% sodium azide and 50% glycerol pH 7.3.					
Apprications WB, IHC, IF/ICC, IP, ELISA WB, IHC, IF/ICC, IP, ELISA   Species Specificity: tissue, Raji cells   human, mouse IP: HepG2 cells, mouse liver tissue, mouse spl   Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IP: HepG2 cells,   Background Information Cytoplasmic tRNA 2-thiolation protein 2 (CUT2), also named as C16orf84 or NCS2, is a 515 amino acid protei which belongs to the CUT2 family. C16orf84 localizes in the cytoplasm and Plays a central role in 2-thiolation mcm552U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). C16orf84 may act by forming a heterodimer with CTU1/ATPBD3 that ligates sulfur from thio-carboxylated URM1 onto the uridine of tRNAs at wobble position.   Storage Storage: Storage Luffer. PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage					
Species Specificity: human, mouse   Note-IHC: suggested antigen retrieval with IP: HepG2 cells,   TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate   buffer pH 6.0 IHC: human testis tissue, human kidney tissue   Background Information Cytoplasmic tRNA 2-thiolation protein 2 (CUT2), also named as C16orf84 or NCS2, is a 515 amino acid protei   which belongs to the CUT2 family. C16orf84 localizes in the cytoplasm and Plays a central role in 2-thiolation retriordiment with CTU1/ATPBD3 that ligates sulfur from thio-carboxylated URM1 onto the uridine of tRNAs at wobble position.   Storage: Storage: Storage Storage Storage Storage Storage Storage	Applications	WB, IHC, IF/ICC, IP, ELISA WB : HepG2   Species Specificity: tissue, Raji (   human, mouse IP : HepG2 cc   Note-IHC: suggested antigen retrieval with IP : HepG2 cc   IHC : human IHC : human   retrieval may be performed with citrate IF/ICC : HEW		sitive Controls:	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IHC : human testis tissue, human kidney tissue IF/ICC : HEK-293 cells,   Background Information Cytoplasmic tRNA 2-thiolation protein 2 (CUT2), also named as C16orf84 or NCS2, is a 515 amino acid protei which belongs to the CUT2 family. C16orf84 localizes in the cytoplasm and Plays a central role in 2-thiolation mc52U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Glu). C16orf84 may act by forming a heterodimer with CTU1/ATPBD3 that ligates sulfur from thio-carboxylated URM1 onto the uridine of tRNAs at wobble position.   Storage 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. Aliquoting is unnecessary for -20°C storage					
TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IHC: human testis tissue, human kidney tissue   Background Information Cytoplasmic tRNA 2-thiolation protein 2 (CUT2), also named as C16orf84 or NCS2, is a 515 amino acid protei which belongs to the CUT2 family. C16orf84 localizes in the cytoplasm and Plays a central role in 2-thiolation mcm5S2U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). C16orf84 may act by forming a heterodimer with CTU1/ATPBD3 that ligates sulfur from thio-carboxylated URM1 onto the uridine of tRNAs at wobble position.   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. Aliquoting is unnecessary for -20°C storage					
retrieval may be performed with citrate buffer pH 6.0 IF/ICC: HEK-293 cells, buffer pH 6.0   Background Information Cytoplasmic tRNA 2-thiolation protein 2 (CUT2), also named as C16orf84 or NCS2, is a 515 amino acid protein which belongs to the CUT2 family. C16orf84 localizes in the cytoplasm and Plays a central role in 2-thiolation mcm552U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). C16orf84 may act by forming a heterodimer with CTU1/ATPBD3 that ligates sulfur from thio-carboxylated URM1 onto the uridine of tRNAs at wobble position.   Storage Storage: Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage				IHC : human testis tissue, human kidney tissue	
Storage Storage:   Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.				ICC : HEK-293 cells,	
Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage	Background Information	heterodimer with CTU1/ATPBD3 that ligates sulfur from thio-carboxylated URM1 onto the uridine of tRNAs at			
	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.			
	*** 20ul sizes contain 0.1% BSA	Auquoting is unnecessary for -20 C S	loidge		

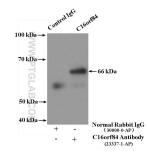
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free<br/>in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.comW: ptglab.com

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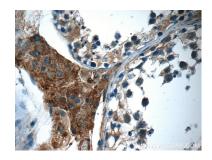
## Selected Validation Data



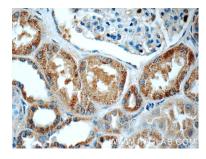
HepG2 cells were subjected to SDS PAGE followed by western blot with 23337-1-AP (C 16orf84 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



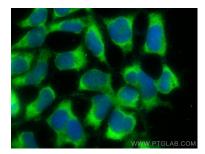
IP result of anti-C16orf84 (IP:23337-1-AP, 4ug; Detection:23337-1-AP 1:500) with HepG2 cells lysate 3600ug.



Immunohistochemical analysis of paraffinembedded human testis tissue slide using 23337-1-AP (C16orf84 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffinembedded human kidney tissue slide using 23337-1-AP (C16orf84 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using C 16orf84 antibody (23337-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).