

For Research Use Only

C16orf84 Polyclonal antibody

Catalog Number: 23337-1-AP



Basic Information

Catalog Number: 23337-1-AP	GenBank Accession Number: BC125269	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 348180	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: chromosome 16 open reading frame 84	IHC 1:20-1:200 IF 1:20-1:200
Isotype: IgG	Calculated MW: 515 aa, 56 kDa	
Immunogen Catalog Number: AG18428	Observed MW: 65-68 kDa	

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HepG2 cells, mouse liver tissue, mouse spleen tissue, Raji cells

IP: HepG2 cells,

IHC: human testis tissue, human kidney tissue

IF: 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 role in 2-thiolation of 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:

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

***** 20ul sizes contain 0.1% BSA**

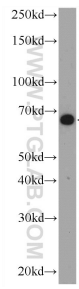
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

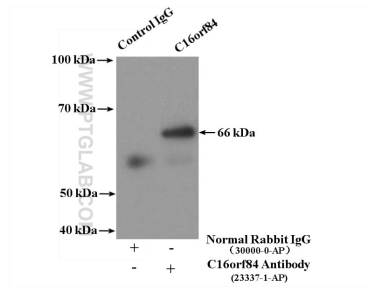
E: proteintech@ptglab.com
W: ptglab.com

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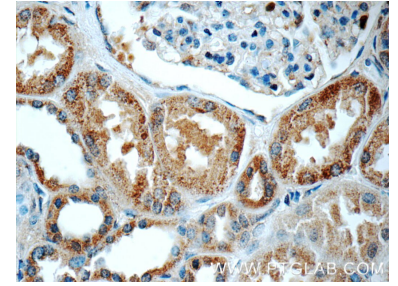
Selected Validation Data



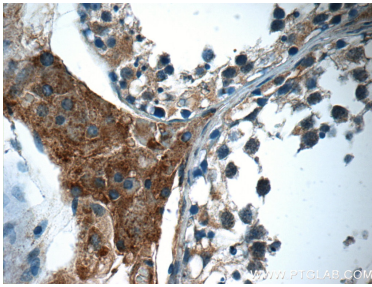
HepG2 cells were subjected to SDS PAGE followed by western blot with 23337-1-AP (C16orf84 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



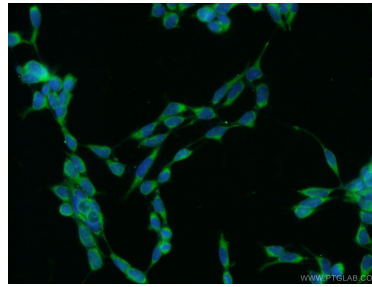
IP Result of anti-C16orf84 (IP:23337-1-AP, 4ug; Detection:23337-1-AP 1:500) with HepG2 cells lysate 3600ug.



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



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



Immunofluorescent analysis of HEK-293 cells using 23337-1-AP (C16orf84 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).