

For Research Use Only

C7orf10 Polyclonal antibody

Catalog Number: 21589-1-AP **2 Publications**



Basic Information

Catalog Number: 21589-1-AP	GenBank Accession Number: BC098318	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79783	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200
Source: Rabbit	Full Name: chromosome 7 open reading frame 10	
Isotype: IgG	Calculated MW: 471 aa, 51 kDa	
Immunogen Catalog Number: AG16159	Observed MW: 48-55 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

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: mouse kidney tissue, mouse pancreas tissue, mouse skeletal muscle tissue, HepG2 cells, HEK-293 cells, rat kidney tissue

IHC: human kidney tissue, human pancreas tissue

Background Information

C7orf10 is also named as SUGCT, DERP13 and belongs to the CaiB/BaiF CoA-transferase family. It may function as part of a multiunit enzyme complex (A), similar to the alpha-ketoglutarate dehydrogenase system, or as the second of two independent enzymes, the first of which decarboxylates alpha-ketoadipate to glutarate (B). This protein has 4 isoforms produced by alternative splicing with the molecular weight from 43 kDa to 51 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Joanna Niska-Blakie	31722069	Cell Mol Life Sci	WB
Scott P Allen	37251807	Front Aging Neurosci	WB

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**

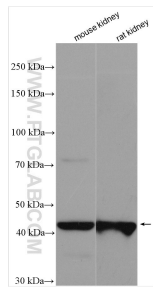
For technical support and original validation data for this product please contact:

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

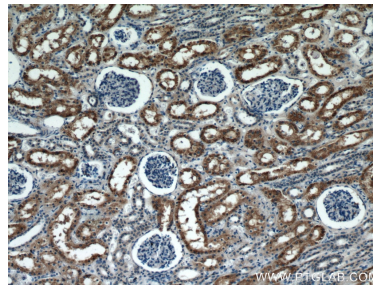
E: proteintech@ptglab.com
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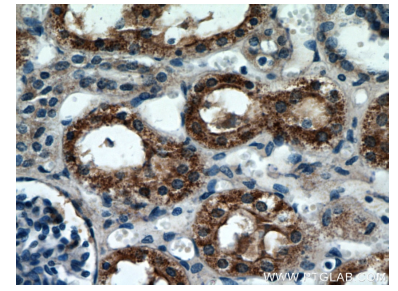
Selected Validation Data



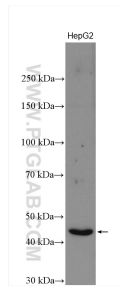
Various lysates were subjected to SDS PAGE followed by western blot with 21589-1-AP (C7orf10 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



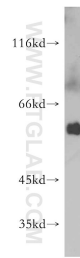
Immunohistochemical analysis of paraffin-embedded human kidney using 21589-1-AP (C7orf10 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 21589-1-AP (C7orf10 antibody) at dilution of 1:50 (under 40x lens).



HepG2 cells were subjected to SDS PAGE followed by western blot with 21589-1-AP (C7orf10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 21589-1-AP (C7orf10 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.