

For Research Use Only

C1orf106 Polyclonal antibody

Catalog Number: 21506-1-AP



Basic Information

Catalog Number: 21506-1-AP	GenBank Accession Number: BC106877	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 55765	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: chromosome 1 open reading frame 106	IHC 1:50-1:500 IF 1:10-1:100
Isotype: IgG	Calculated MW: 663 aa, 73 kDa	
Immunogen Catalog Number: AG15987	Observed MW: 70-73 kDa	

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Species Specificity:

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

Positive Controls:

WB: mouse kidney tissue, HEK-293 cells, rat kidney tissue

IP: mouse kidney tissue,

IHC: mouse kidney tissue,

IF: HEK-293 cells, HeLa cells

Background Information

C1orf106 (also known as innate immunity activator, INAVA) has thus far been considered to play a significant role in intestinal inflammatory diseases. C1orf106 is highly expressed in the human intestine and intestinal epithelial cell lines but expressed at low levels in myeloid cells and mouse bone marrow-derived macrophages (PMID: 29420262). Recent studies have also shown that C1orf106 protects against colitis by stabilizing E-cadherin and bridges mucosal barrier function with inflammatory signaling (PMID: 31376015).

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

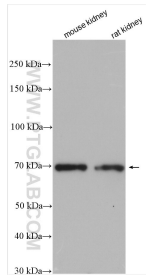
For technical support and original validation data for this product please contact:

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

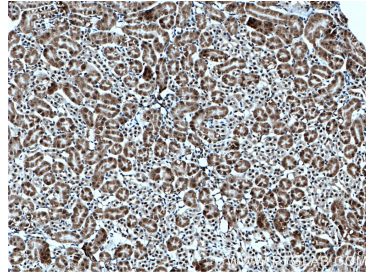
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

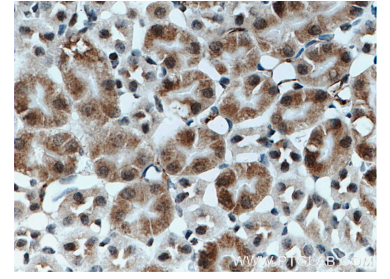
Selected Validation Data



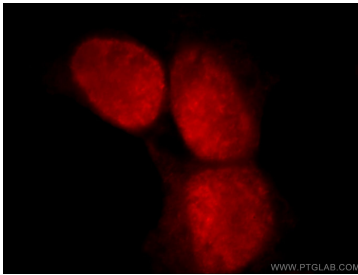
Various lysates were subjected to SDS PAGE followed by western blot with 21506-1-AP (C1orf106 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



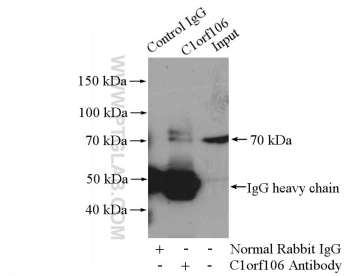
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 21506-1-AP (C1orf106 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 21506-1-AP (C1orf106 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HEK-293 cells, using C1orf106 antibody 21506-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-C1orf106 (IP:21506-1-AP, 4 μ g; Detection:21506-1-AP 1:500) with mouse kidney tissue lysate 4800 μ g.