

For Research Use Only

MINDY3 Polyclonal antibody

Catalog Number: 26478-1-AP



Basic Information

Catalog Number: 26478-1-AP	GenBank Accession Number: BC067799	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop;	GeneID (NCBI): 80013	Recommended Dilutions: IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:200-1:800 IF/ICC: 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9H8M7	
Isotype: IgG	Full Name: chromosome 10 open reading frame 97	
Immunogen Catalog Number: AG23520	Observed MW: 49 kDa	

Applications

Tested Applications: IHC, IF/ICC, IP, ELISA	Positive Controls: IP : HCT 116 cells, IHC : mouse kidney tissue, rat heart tissue IF/ICC : U2OS cells,
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	

Background Information

MINDY3 (also known as FAM63B) is a deubiquitinating enzyme (DUB) localized to the endoplasmic reticulum and belongs to the MINDY family. This protein specifically recognizes and cleaves lysine 48 (K48)-linked ubiquitin chains, which serve as the primary signal targeting proteins for proteasomal degradation, thereby playing a critical role in regulating protein stability. Research indicates that MINDY3 influences various cellular processes through its deubiquitination activity, including endoplasmic reticulum-associated degradation (ERAD), cellular stress response, and cell cycle regulation. Dysregulation of its function is closely associated with pathological processes such as cancer and neurodegenerative diseases, making it a potential target for therapeutic research.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

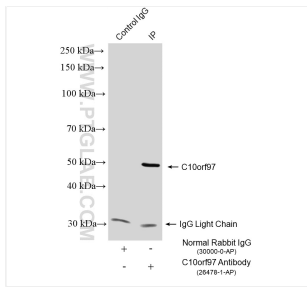
For technical support and original validation data for this product please contact:

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

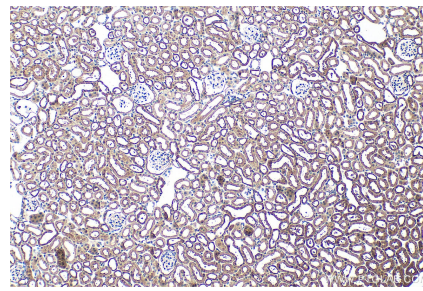
E: proteintech@ptglab.com
W: ptglab.com

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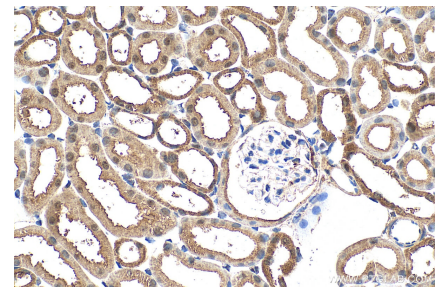
Selected Validation Data



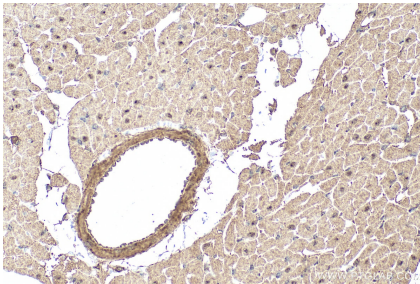
IP result of anti-C10orf97 (IP:26478-1-AP, 4ug; Detection:26478-1-AP 1:1000) with HCT 116 cells lysate 1920 ug.



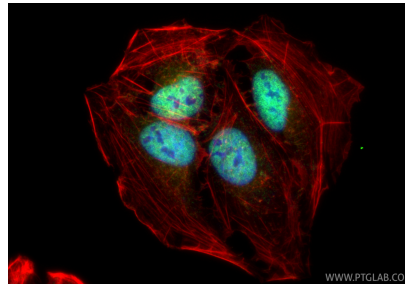
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 26478-1-AP (C10orf97 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 26478-1-AP (C10orf97 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 26478-1-AP (C10orf97 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using MINDY3 antibody (26478-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).