

For Research Use Only

MINDY3 Polyclonal antibody

Catalog Number: 26478-1-AP



Basic Information

Catalog Number:

26478-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23520

GenBank Accession Number:

BC067799

GeneID (NCBI):

80013

UNIPROT ID:

Q9H8M7

Full Name:

chromosome 10 open reading frame
97

Observed MW:

49 kDa

Purification Method:

Antigen affinity purification

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

Applications

Tested Applications:

IHC, IF/ICC, IP, 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:

IP: HCT 116 cells,

IHC: mouse kidney tissue, rat heart tissue

IF/ICC: U2OS cells,

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

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

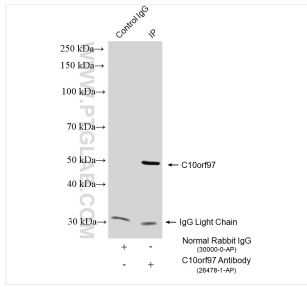
T: 4006900926

E: Proteintech-CN@ptglab.com

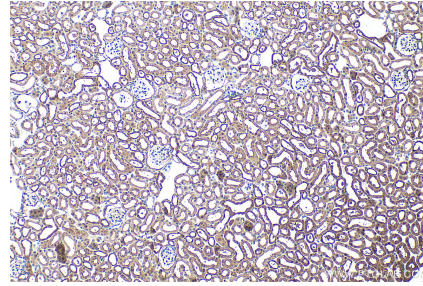
W: ptgcn.com

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

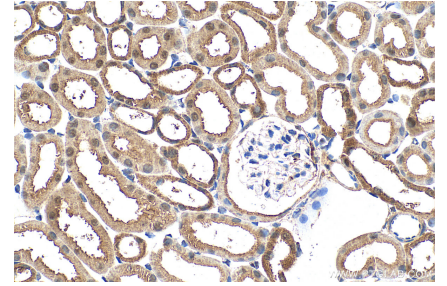
Selected Validation Data



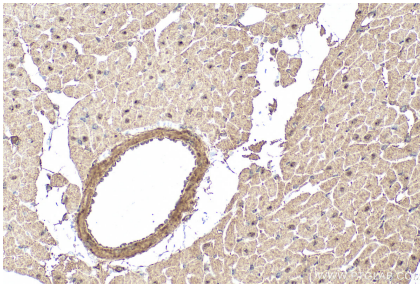
IP result of anti-C10orf97 (IP:26478-1-AP, 4ug; Detection:26478-1-AP 1:1000) with HCT 116 cells lysate 1920 ug.



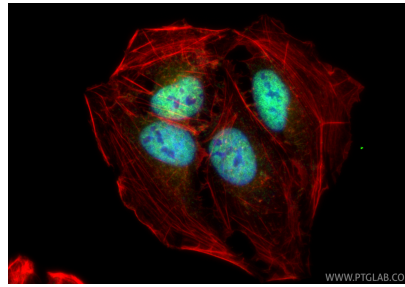
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 26478-1-AP (C10orf97 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).