

For Research Use Only

MUL1 Polyclonal antibody

Catalog Number: 16133-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

16133-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9119

GenBank Accession Number:

BC010101

GeneID (NCBI):

79594

UNIPROT ID:

Q969V5

Full Name:

mitochondrial E3 ubiquitin ligase 1

Calculated MW:

352 aa, 40 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:300-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

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 : HeLa cells,

IHC : human kidney tissue,

Background Information

Mitochondrial ubiquitin ligase 1 (MUL1), MAPL, MULAN, or gGIDE, was identified as an E3 protein ligase by three independent groups. Work in mammalian systems shows that MUL1 has small ubiquitin-like modifier (SUMO) ligase activity, stabilizing Drp1, or ubiquitin ligase activity, degrading Mfn. MUL1 expression in mammalian cells results in smaller and more fragmented mitochondria.

Notable Publications

Author	Pubmed ID	Journal	Application
Shu Guo	30716316	Eur J Pharmacol	WB
Shi-Jing Wang	31825666	Can J Physiol Pharmacol	CoIP
Yu Liu	36531208	Oxid Med Cell Longev	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

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

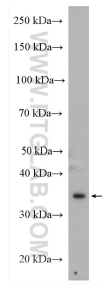
T: 4006900926

E: Proteintech-CN@ptglab.com

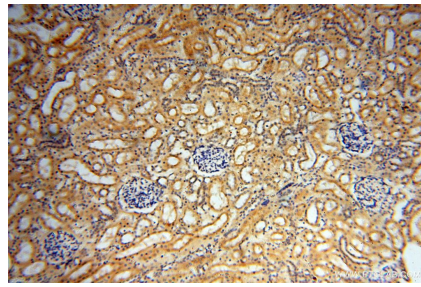
W: ptgcn.com

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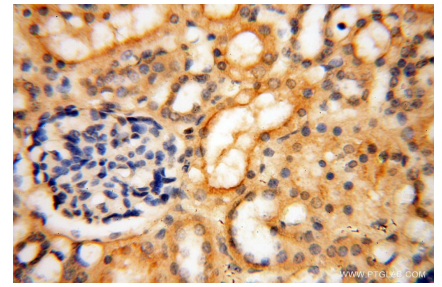
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 16133-1-AP (MUL1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 16133-1-AP (MUL1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 16133-1-AP (MUL1 antibody) at dilution of 1:50 (under 40x lens).