

For Research Use Only

# COMMD1 Polyclonal antibody

Catalog Number: 11938-1-AP

Featured Product

25 Publications



## Basic Information

### Catalog Number:

11938-1-AP

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2535

### GenBank Accession Number:

BC022046

### GeneID (NCBI):

150684

### UNIPROT ID:

Q8N668

### Full Name:

copper metabolism (Murr1) domain containing 1

### Calculated MW:

190 aa, 21 kDa

### Observed MW:

21 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, canine

**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, HepG2 cells, mouse brain tissue, rat brain tissue

**IP** : mouse brain tissue,

**IHC** : human liver cancer tissue,

**IF/ICC** : HepG2 cells,

## Background Information

COMMD1 (COMM domain-containing protein 1), also named MURR1, is implicated in copper homeostasis by binding one copper ion per monomer. COMMD1 was reported to accelerate the ubiquitination and degradation of NF-kappa-B subunits, its deficiency exerts enhanced NF-kappa-B mediated cellular response. Ubiquitinated by XIAP (X-linked inhibitor of apoptosis), COMMD1 undergoes proteasomal degradation. SOD1 activity can be downregulated by COMMD1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Alina Fedoseienko	27788210	PLoS One	WB, IHC
D-W Yeh	26586569	Cell Death Differ	WB
Drévilon Loïc L	21483833	PLoS One	WB, IF

## 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:

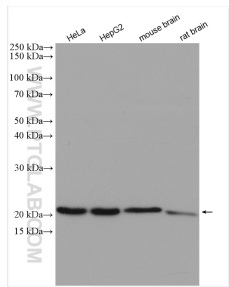
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

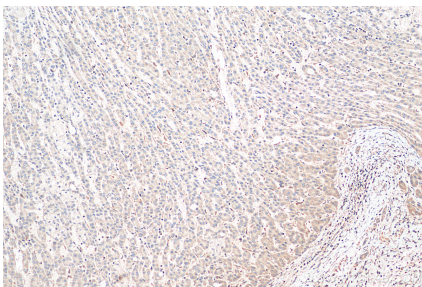
W: [ptgcn.com](http://ptgcn.com)

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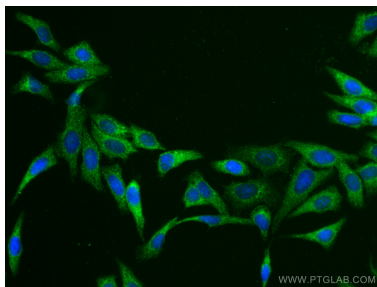
Selected Validation Data



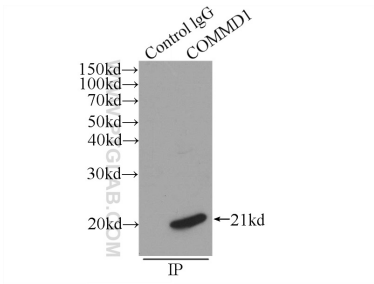
Various lysates were subjected to SDS PAGE followed by western blot with 11938-1-AP (COMMD1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11938-1-AP (COMMD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using COMMD1 antibody (11938-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



IP result of anti-COMMD1 (IP:11938-1-AP, 3ug; Detection:11938-1-AP 1:500) with mouse brain tissue lysate 5200ug.