

For Research Use Only

# MTX1 Polyclonal antibody

Catalog Number: 15529-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

15529-1-AP

### Size:

900 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7685

### GenBank Accession Number:

BC001906

### GeneID (NCBI):

4580

### UNIPROT ID:

Q13505

### Full Name:

metaxin 1

### Calculated MW:

51 kDa

### Observed MW:

35 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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

## Applications

### Tested Applications:

IP, WB, ELISA

### Cited Applications:

WB, IP

### Species Specificity:

human

### Cited Species:

human, mouse

### Positive Controls:

WB : HepG2 cells, A549 cells, Jurkat cells, HeLa cells

IP : MCF-7 cells,

## Background Information

METAXINs are proteins located in the outer membrane of the mammalian mitochondrion. METAXIN 1 was characterized firstly and was found to play a role in the import of mitochondrial precursor proteins. It may also play a role in the assembly of b-barrel proteins into the outer membrane. METAXIN1 was reported to be essential for survival of the postimplantation mouse embryo. METAXIN 1 has multiple transcripts. Several isoforms of METAXIN 1 exist due to the alternative splicing, with the predicted MW of 51, 48 and 36 kDa, respectively. Metaxin 1 interacts with metaxin 2, a novel related protein associated with the mammalian mitochondrial outer membrane and form complex in the mitochondrion outer membrane.

## Notable Publications

Author	Pubmed ID	Journal	Application
Li Chen	35313046	Hepatology	WB
Li Li	34421355	Int J Biol Sci	WB, IP
Stephen M Coscia	36744380	J Cell Sci	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:

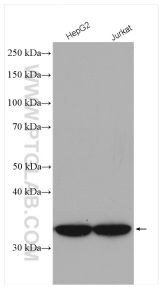
T: 4006900926

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

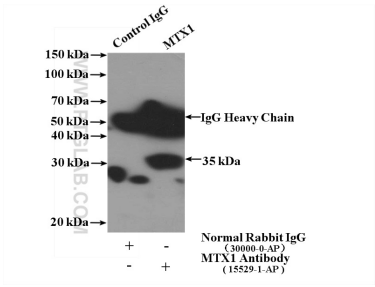
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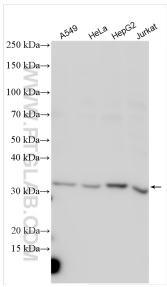
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15529-1-AP (MTX1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-MTX1 (IP:15529-1-AP, 4ug; Detection:15529-1-AP 1:700) with MCF-7 cells lysate 1280ug.



Various lysates were subjected to SDS PAGE followed by western blot with 15529-1-AP (MTX1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.