

For Research Use Only

# Atox1 Polyclonal antibody

Catalog Number: 31090-1-AP



## Basic Information

<b>Catalog Number:</b> 31090-1-AP	<b>GenBank Accession Number:</b> NM_009720	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 400 ug/ml	<b>GeneID (NCBI):</b> 11927	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:150-1:600
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O08997	
<b>Isotype:</b> IgG	<b>Full Name:</b> ATX1 (antioxidant protein 1) homolog 1 (yeast)	
<b>Immunogen Catalog Number:</b> AG35290	<b>Calculated MW:</b> 7 kDa	
	<b>Observed MW:</b> 7-10 kDa	

## Applications

### Tested Applications:

WB, IHC, 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:

WB : NCI-H1299 cells,

IHC : mouse heart tissue,

## Background Information

Antioxidant 1 copper chaperone (Atox1) is a small cytosolic protein containing an MBS (metal binding site) and a potential NLS (nuclear localisation signal). It plays an essential role in copper homeostasis by facilitating the transfer of copper to the trans-Golgi. Atox1 has been implicated in a wide range of diseases, including many neurodegenerative, cancer and metabolic disorders.

## 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:

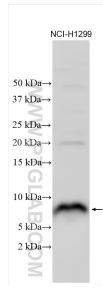
T: 4006900926

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

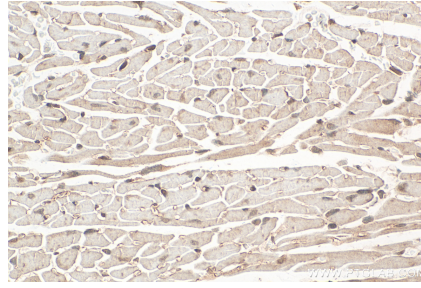
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## Selected Validation Data



NCI-H1299 cells were subjected to SDS PAGE followed by western blot with 31090-1-AP (Atox1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 31090-1-AP (Atox1 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).