

Atox1 Polyclonal antibody

Catalog Number: 31090-1-AP

Basic Information

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

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : NCI-H1299 cells, IHC : mouse heart tissue,

Note-IHC: suggested antigen retrieval with *TE buffer pH 9.0*; (*) Alternatively, antigen retrieval may be performed with *citrate buffer pH 6.0*

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

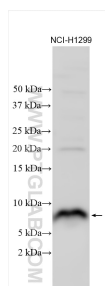
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20° C storage

***** 20ul sizes contain 0.1%BSA**

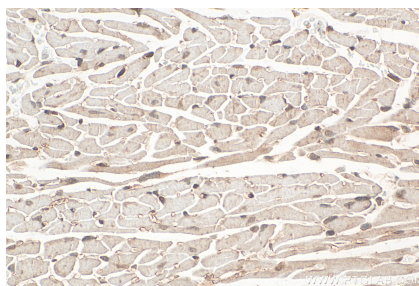
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

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).