

For Research Use Only

Atox1 Recombinant antibody

Catalog Number: 84305-1-RR



Basic Information

Catalog Number: 84305-1-RR	GenBank Accession Number: NM_009720	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 11927	CloneNo.: 241566A7
Source: Rabbit	UNIPROT ID: O08997	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Isotype: IgG	Full Name: ATX1 (antioxidant protein 1) homolog 1 (yeast)	
Immunogen Catalog Number: AG35290	Calculated MW: 7 kDa	
	Observed MW: 7 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : A375 cells, A549 cells, Jurkat cells, mouse kidney tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

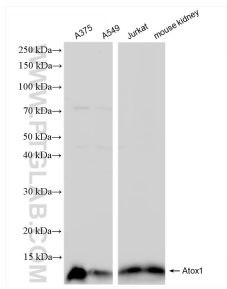
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84305-1-RR (Atox1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 84305-1-RR (Atox1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).