

Atox1 Recombinant antibody

Catalog Number: 84305-1-RR

Basic Information

Catalog Number:

84305-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35290

GenBank Accession Number:

NM_009720

GeneID (NCBI):

11927

UNIPROT ID:

O08997

Full Name:

ATX1 (antioxidant protein 1) homolog
1 (yeast)

Calculated MW:

7 kDa

Observed MW:

7 kDa

Purification Method:

Protein A purification

CloneNo.:

241566A7

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

**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 : A375 cells, A549 cells, Jurkat cells, mouse kidney
tissue

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:

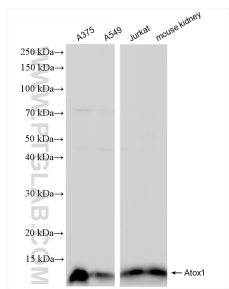
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

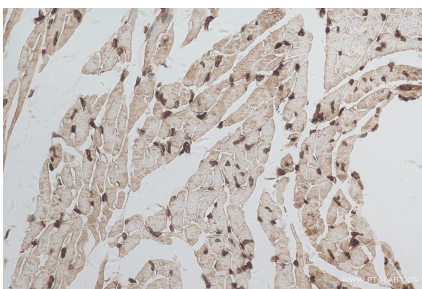
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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).