Mouse ATOX1 Monoclonal Antibody | anti-ATOX1 antibody

ATOX1 (ATX1 Antioxidant Protein 1 Homolog (yeast), ATX1, HAH1, MGC138453, MGC138455) (PE)

CATALOG #	HOST	APPLICATIONS
AAA26609	**Mouse**	**Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

ATOX1; Monoclonal Antibody; ATOX1 (ATX1 Antioxidant Protein 1 Homolog (yeast); ATX1; HAH1; MGC138453; MGC138455) (PE); ATX1 Antioxidant Protein 1 Homolog (yeast); MGC138455; anti-ATOX1 antibody

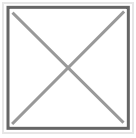
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3A2
Specificity	Recognizes ATOX1.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-ATOX1 antibody	IF (Immunofluorescence), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	ATOX1 (NP_004036, 1aa-68aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MPKHEFSVDMTCGGCAEAVSRVLNKLGGVKYDIDLPNKKVCIESEHSMDTLLATLKKTGKTVSYLGLE
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

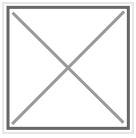
IMAGES

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to ATOX1 on HeLa cell. [antibody concentration 10 ug/ml]

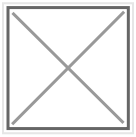
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to ATOX1 on HeLa cell. [antibody concentration 10 ug/ml]



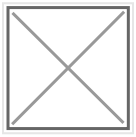
Application Data
Detection limit for recombinant GST tagged ATOX1 is approximately 0.1ng/ml as a capture antibody.



WB (Western Blot)
ATOX1 monoclonal antibody (M02), clone 3A2. Western Blot analysis of ATOX1 expression in human spleen.



WB (Western Blot)
ATOX1 monoclonal antibody (M02), clone 3A2. Western Blot analysis of ATOX1 expression in COLO 320 HSR (Cat # L020V1).



WB (Western Blot)
ATOX1 monoclonal antibody (M02), clone 3A2. Western Blot analysis of ATOX1 expression in Jurkat (Cat # L017V1).

ADDITIONAL INFORMATION

Related Product Information for anti-ATOX1 antibody	This gene encodes a copper chaperone that plays a role in copper homeostasis by binding and transporting cytosolic copper to ATPase proteins in the trans-Golgi network for later incorporation to the ceruloplasmin. This protein also functions as an antioxidant against superoxide and hydrogen peroxide, and therefore, may play a significant role in cancer carcinogenesis. Because of its cytogenetic location, this gene represents a candidate gene for 5q-syndrome. [provided by RefSeq]
Product Categories/Family for anti-ATOX1 antibody	Antibodies; Ion Transport

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757804
NCBI GeneID	475
NCBI Accession #	NP_004036
NCBI GenBank Nucleotide #	NM_004045.3
UniProt Accession #	O00244; Q2M1R6; Q56AP3; A8KAJ8; D3DQI2
Molecular Weight	9.5 kDa (88aa), confirmed by MALDI-TOF.
NCBI Official Full Name	copper transport protein ATOX1
NCBI Official Synonym Full Names	antioxidant 1 copper chaperone
NCBI Official Symbol	ATOX1
NCBI Official Synonym Symbols	ATX1; HAH1
NCBI Protein Information	copper transport protein ATOX1
UniProt Protein Name	Copper transport protein ATOX1
UniProt Gene Name	**ATOX1**
UniProt Synonym Gene Names	HAH1
UniProt Entry Name	ATOX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/atox1-antibody-clone-3a2-immunofluorescence-western-blot-elisa/26609