Mouse anti-Human HMOX Monoclonal Antibody | anti-HMOX antibody

HMOX antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48267	**Mouse**	**Human**	**Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA**

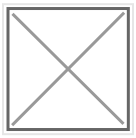
PRODUCT SYNONYMS

HMOX; Monoclonal Antibody; HMOX antibody; HO-1; Heat shock protein 32; HSP32; bK286B10; D8Wsu38e; Heme oxygenase (decycling) 1; Heme oxygenase 1; Hemox; Hmox; HMOX 1; HMOX1; HO; HO 1; HO1.; anti-HMOX antibody

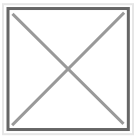
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT1D6
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	288
Applicable Applications for anti-HMOX antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human Heme oxygenase1 (1-266aa) purified from E. coli
Clone Note	Anti-human Heme oxygenase1 mAb, clone AT1D6, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Heme oxygenase1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of HMOX in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human HMOX antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green) ICC/IF analysis of HMOX in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human HMOX antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green



WB (Western Blot)
The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human HMOX antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: A549 cell lysate Lane 3.: 293T cell lysate Lane 4.: HepG2 cell lysate Lane 5.: TF-1 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-HMOX antibody	Heme oxygenase 1 belongs to the heme oxygenase family and is an essential enzyme in heme catabolism. It cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Also this protein is known to play an important role in the regulation of cardiovascular function and its adaptive response to a variety of stressors.
Product Categories/Family for anti-HMOX antibody	Neuroscience
References	Soares MP., et al. (2001) Immunol Rev.; Vareille M., et al. (2008) J Immunol. 180 (8): 5720-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504437
NCBI GeneID	3162
NCBI Accession #	NP_002124
NCBI GenBank Nucleotide #	NM_002133.2
UniProt Accession #	P09601
Molecular Weight	32,819 Da
NCBI Official Full Name	heme oxygenase 1
NCBI Official Synonym Full Names	heme oxygenase 1
NCBI Official Symbol	HMOX1
NCBI Official Synonym Symbols	HO-1; HSP32; HMOX1D; bK286B10
NCBI Protein Information	heme oxygenase 1
UniProt Protein Name	Heme oxygenase 1
UniProt Gene Name	**HMOX1**
UniProt Synonym Gene Names	HO; HO1; HO-1

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/hmox-antibody-clone-at1d6-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48267