

Rabbit anti-Human, Mouse Heme Oxygenase 1 Monoclonal Antibody | anti-HMOX1 antibody

Anti-Heme Oxygenase 1 Rabbit Monoclonal Antibody

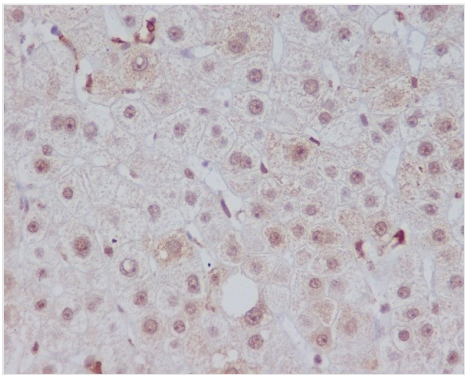
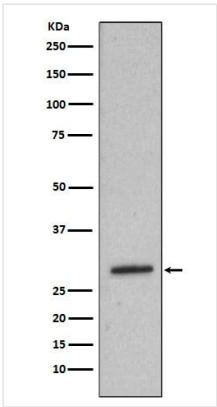
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46918	Rabbit	Human, Mouse	Western Blot, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Heme Oxygenase 1; Monoclonal Antibody; Anti-Heme Oxygenase 1 Rabbit Monoclonal Antibody; Heme oxygenase 1; HO-1; 1.14.99.3; HMOX1; HO; HO1; anti-HMOX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	288
Applicable Applications for anti-HMOX1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human Heme Oxygenase 1
Subcellular Localization	Microsome. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side.
Tissue Specificity	Expressed at higher levels in renal cancer tissue than in normal tissue (at protein level).
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human liver, using Heme Oxygenase 1 Antibody(AAA46918)HMOX1 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-HMOX1 Antibody (AAA46918)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

WB (Western Blot)
Western blot analysis of Heme Oxygenase 1 in mouse spleen lysate (AAA46918).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HMOX1 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for HMOX1

ADDITIONAL INFORMATION

Related Product Information for anti-HMOX1 antibody	Heme oxygenase cleaves the heme ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions, the activity of heme oxygenase is highest in the spleen, where senescent erythrocytes are sequestered and destroyed. Exhibits cytoprotective effects since excess of free heme sensitizes cells to undergo apoptosis.
Product Categories/Family for anti-HMOX1 antibody	Neuroscience; Neurology Process; Neurodegenerative Disease; Alzheimer's Disease; Cardiovascular; Blood; Platelets; Signal Transduction; Signaling Pathway; Nuclear Signaling; NFKB Pathway; Epigenetics and Nuclear Signaling; Nuclear Signaling Pathways; Athe

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504437
NCBI GeneID	3162
NCBI Accession #	NP_002124.1
NCBI GenBank Nucleotide #	NM_002133.2
UniProt Accession #	P09601
Molecular Weight	32819 MW
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

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/heme-oxygenase-1-antibody-western-blot-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/46918>