

Mouse HMOX2 Monoclonal Antibody | anti-HMOX2 antibody

HMOX2 antibody

CATALOG #	HOST	APPLICATIONS
AAA74675	Mouse	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay

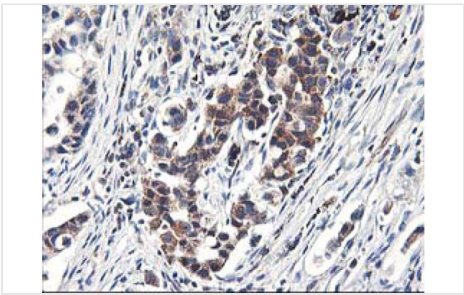
PRODUCT SYNONYMS

HMOX2; Monoclonal Antibody; HMOX2 antibody; Monoclonal HMOX2; Anti-HMOX2; Heme oxygenase; Heme oxygenase 2; HO2; HMOX 2; HMOX-2; anti-HMOX2 antibody

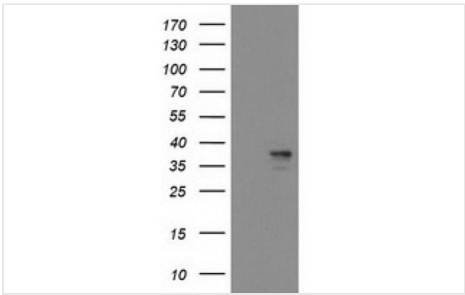
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1D10
Purity/Purification	HMOX2 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	316
Applicable Applications for anti-HMOX2 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family.
Cross-Reactivity	Human
Immunogen	HMOX2 antibody was raised in mouse using a full length recombinant protein of human HMOX2 (NP_002125) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of HMOX2 protein in paraffin embedded Carcinoma of Human lung tissue using HMOX2 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant HMOX2 protein (Right) or empty vector (Left) detected with HMOX2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-HMOX2 antibody	Mouse monoclonal HMOX2 antibody
Product Categories/Family for anti-HMOX2 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	8051608
NCBI GeneID	3163
NCBI Accession #	NP_002125
NCBI GenBank Nucleotide #	NM_002134.3
UniProt Accession #	P30519; O60605; A8MT35; D3DUD5; I3L430
Molecular Weight	32,837 Da
NCBI Official Full Name	heme oxygenase 2 isoform b
NCBI Official Synonym Full Names	heme oxygenase 2
NCBI Official Symbol	HMOX2
NCBI Official Synonym Symbols	HO-2
NCBI Protein Information	heme oxygenase 2
UniProt Protein Name	Heme oxygenase 2
UniProt Gene Name	HMOX2
UniProt Synonym Gene Names	HO2; HO-2
UniProt Entry Name	HMOX2_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.