

Rabbit HMOX1 Polyclonal Antibody | anti-HMOX1 antibody

HMOX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326164	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

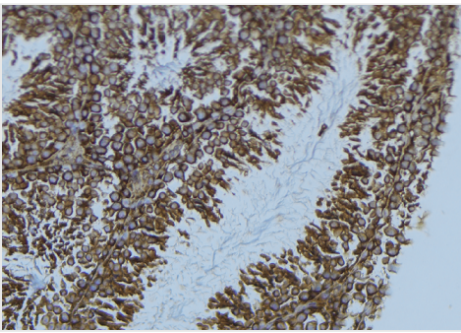
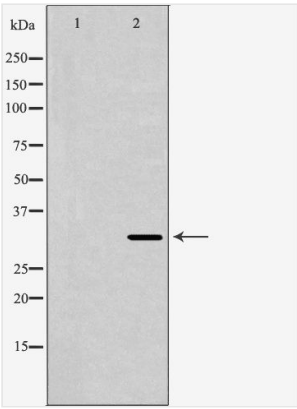
PRODUCT SYNONYMS

HMOX1; Polyclonal Antibody; HMOX1 Antibody; 32 kD; bK286B10; D8Wsu38e; heat shock protein 32 kD; heat shock protein 32kD; Heat shock protein; Heme oxygenase (decycling) 1; Heme oxygenase 1; Hemox; HMOX 1; Hmox; Hmox1; HMOX1_HUMAN; HO 1; HO; HO-1; HO1; Hsp32; anti-HMOX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HMOX1 antibody detects endogenous levels of total HMOX1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	288
Applicable Applications for anti-HMOX1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HMOX1
Subcellular Location	Microsome. Endoplasmic Reticulum.
Tissue Specificity	Expressed at higher levels in renal cancer tissue than in normal tissue (at protein level).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326164 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Mouse spleen lysate, using HMOX1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HMOX1 antibody	Function: 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. Similarity: Belongs to the heme oxygenase family.
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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	Observed: 33 kDa Predicted: 33 kDa
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.