

Rabbit anti-Human, Mouse HO 2 Polyclonal Antibody | anti-HMOX2 antibody

HO 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321824	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

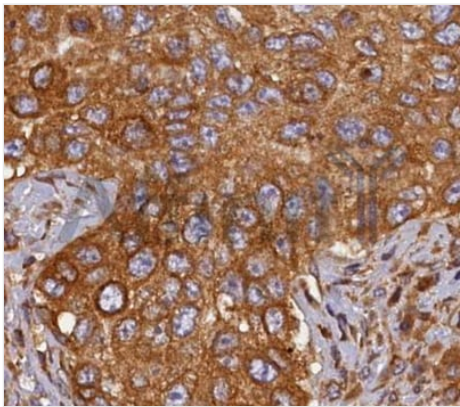
PRODUCT SYNONYMS

HO 2; Polyclonal Antibody; HO 2 Antibody; Heme oxygenase (decycling) 2; Heme oxygenase (decyclizing) 2; Heme oxygenase 2; HMOX 2; Hmox2; HMOX2 protein; HMOX2_HUMAN; HO-2; HO2; OTTHUMP00000159847; anti-HMOX2 antibody

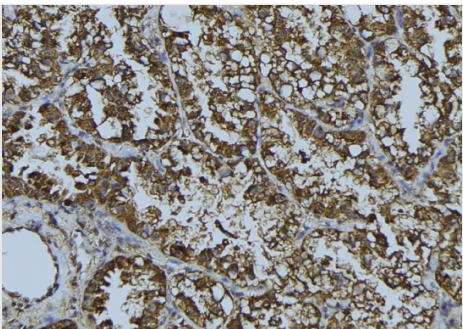
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	HO 2 antibody detects endogenous levels of total HO 2
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	316
Applicable Applications for anti-HMOX2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HO 2
Subcellular Location	Microsome. Endoplasmic Reticulum.
Tissue Specificity	Heme oxygenase 2 activity is non-inducible.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog
Similarity	Pig (82%), Bovine (83%), Sheep (83%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

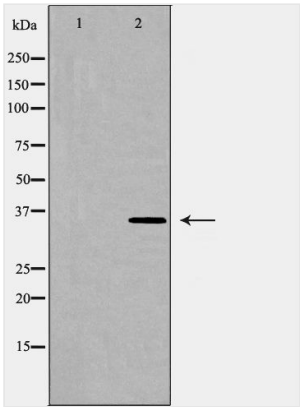
IMAGES



IHC (Immunohistochemisry)
AAA321824 at 1/100 staining human breast tissues sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at105



IHC (Immunohistochemistry)
AAA321824 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 HO 2 expression in K562 cell lysate, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HMOX2 antibody	Description: 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. Heme oxygenase 2 could be implicated in the production of carbon monoxide in brain where it could act as a neurotransmitter. Similarity: Belongs to the heme oxygenase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187761307
NCBI GeneID	3163
NCBI Accession #	NP_001120676.1
NCBI GenBank Nucleotide #	NM_001127204.1
UniProt Accession #	P30519; O60605; A8MT35; D3DUD5; I3L430
Molecular Weight	Observed: 36 kDa Predicted: 37 kDa
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

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/polyclonal/ho-2-antibody-immunohistochemistry-western-blot-elisa/321824>