

Rabbit anti-Human HMOX1 Polyclonal Antibody | anti-HMOX1 antibody

HMOX1 Antibody (Center)

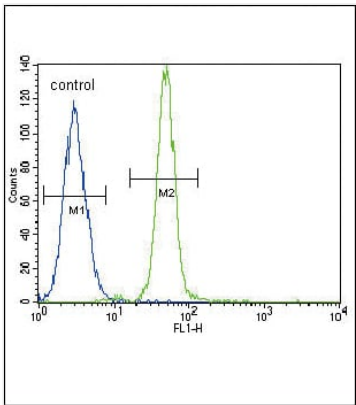
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288535	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

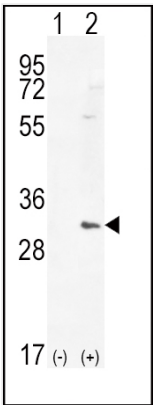
HMOX1; Polyclonal Antibody; HMOX1 Antibody (Center); Heme oxygenase 1; HO-1; HO; HO1; anti-HMOX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HMOX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 177-204 amino acids from the Central region of human HMOX1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	177-204
Sequence Length	288
Applicable Applications for anti-HMOX1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
HMOX1 Antibody (Center) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of HMOX1 (arrow) using rabbit polyclonal HMOX1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HMOX1 gene.

ADDITIONAL INFORMATION

Related Product Information for anti-HMOX1 antibody	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.
Product Categories/Family for anti-HMOX1 antibody	Cancer; Cardiovascular; Metabolism; Neuroscience; Signal transduction
References	Wu, M.M., et al. Toxicol. Appl. Pharmacol. 248(3):226-233(2010) Bolisetty, S., et al. J. Am. Soc. Nephrol. 21(10):1702-1712(2010) Bao, W., et al. PLoS ONE 5 (8), E12371 (2010) : Wu, M.M., et al. J. Biomed. Sci. 17, 70 (2010) : Wang, X., et al. PLoS ONE 5 (8), E11934 (2010) :

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
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
UniProt Entry Name	HMOX1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hmox1-antibody-flow-cytometry-western-blot-elisa/288535>