

Rabbit Heme oxygenase 1 Polyclonal Antibody | anti-HMOX1 antibody

Anti-HMOX1 Antibody

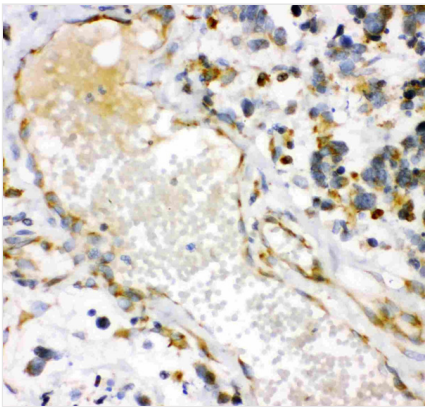
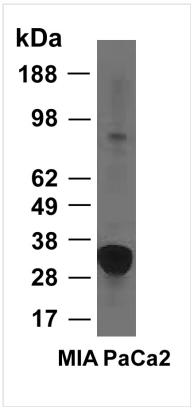
CATALOG # AAA46047	HOST Rabbit	REACTIVITY Human, Rat. No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	-----------------------	---	---

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	288
Applicable Applications for anti-HMOX1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human HMOX1 recombinant protein (Position: M1-M288). Human HMOX1 shares 82% and 80% amino acid (aa) sequences identity with mouse and rat HMOX1, respectively.
Preparation and Storage	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.

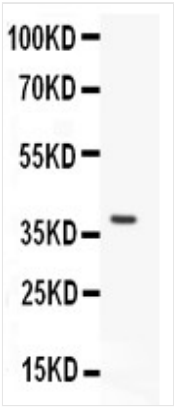
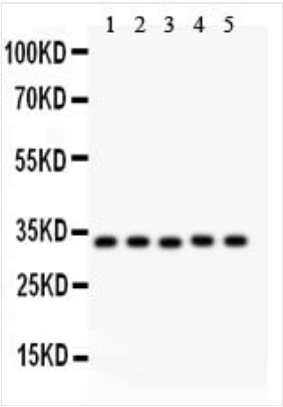


WB (Western Blot)

Applications: Western BlotSample: Whole cell extract of pancreatic tumor cell MIA PaCa2Detection: Enhanced chemiluminescence"Thirty micrograms of whole cell extract of pancreatic tumor cell MIA PaCa-2 were loaded on a 4-12% Bis-Tris gel. The membrane was blotted with 1xPBS + 0.2% Tween-20 + 10% non-fat dry milk. The membrane was incubated with Anti-HMOX1 Antibody (AAA46047) at the concentration of 200 ng/ml at room temperature for 3 hours. The membrane was then blotted with HRP-conjugated anti-rabbit secondary antibodies at 4oC overnight. The band was detected using regular ECL with 1 minute exposure. A major band with 32 kD was detected."

IHC (Immunohistochemisry)

Anti- HMOX1 antibody, AAA46047, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)

Anti- HMOX1 antibody, AAA46047, Western blottingAll lanes: Anti HMOX1 (AAA46047) at 0.5ug/mlLane 1: Human Placenta Tissue Lysate at 50ugLane 2: Rat Spleen Tissue Lysate at 50ugLane 3: A549 Whole Cell Lysate at 40ugLane 4: PANC Whole Cell Lysate at 40ugLane 5: HELA Whole Cell Lysate at 40ugPredicted bind size: 33KDObserved bind size: 33KD

WB (Western Blot)

Anti- HMOX1 antibody, AAA46047, Western blottingAll lanes: Anti HMOX1 (AAA46047) at 0.5ug/mlWB: Recombinant Human HMOX1 Protein 0.5ngPredicted bind size: 37KDObserved bind size: 37KD

ADDITIONAL INFORMATION

Related Product Information for anti-HMOX1 antibody	Description: Rabbit IgG polyclonal antibody for Heme oxygenase 1(HMOX1) detection. Tested with WB, IHC-P in Human;Rat. Background: HMOX1 (heme oxygenase (decycling) 1), also known as HO-1, is a human gene that encodes for the enzyme heme oxygenase 1. It is an essential enzyme in heme catabolism, it cleaves heme to form biliverdin. HMOX1 belongs to the heme oxygenase family. The HMOX1 gene is located on the long (q) arm of chromosome 22 at position 12.3, from base pair 34,101,636 to base pair 34,114,748. HMOX1, 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. HMOX1 activity is induced by its substrate heme and by various nonheme substances.
--	---

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	32,819 Da
NCBI Official Full Name	heme oxygenase 1
NCBI Official Synonym Full Names	heme oxygenase (decycling) 1
NCBI Official Symbol	HMOX1
NCBI Official Synonym Symbols	HO-1; HSP32; HMOX1D; bK286B10
NCBI Protein Information	heme oxygenase 1; heat shock protein, 32-kD
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/heme-oxygenase-1-antibody-immunohistochemistry-western-blot-elisa/46047>