

Rabbit Heme Oxygenase 1 (HO-1/HMOX1) Polyclonal Antibody | anti-HO-1/HMOX1 antibody

[KO Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28414	Rabbit	Human, Mouse, Rat	Western Blot, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

Heme Oxygenase 1 (HO-1/HMOX1); Polyclonal Antibody; [KO Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb; HMOX1; HMOX1D; HO-1; HSP32; bK286B10; heme oxygenase 1; anti-HO-1/HMOX1 antibody

PRODUCT SPECIFICATIONS

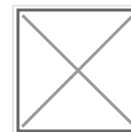
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	ALPAQEQLRP KPQLEQENIK SSSPPSSDFA KEEVIGMVTR AHKDTFMYNQ EQQENSAESM QPQRGERIPK NMEQYNLNHD H
Applicable Applications for anti-HO-1/HMOX1 antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IF/ICC: 1:50-1:200
Positive Samples	HeLa, HepG2
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-265 of human Heme Oxygenase 1 (HO-1/HMOX1) (NP_002124.1).
Cellular Location	Cytoplasmic side, Endoplasmic reticulum membrane, Microsome, Peripheral membrane protein
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 using Heme Oxygenase 1 (HO-1/HMOX1) antibody at dilution of 1 : 50 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of HepG2 using Heme Oxygenase 1 (HO-1/HMOX1) antibody at dilution of 1 : 50 (40x lens). Blue: DAPI for nuclear staining.



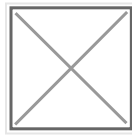
IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 using Heme Oxygenase 1 (HO-1/HMOX1) antibody at dilution of 1 : 50 (40x lens). Blue: DAPI for nuclear staining.



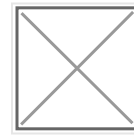
WB (Western Blot)

Western blot analysis of extracts from wild type (WT) and Heme Oxygenase 1 (HO-1/HMOX1) knockout (KO) HeLa cells, using Heme Oxygenase 1 (HO-1/HMOX1) antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



WB (Western Blot)

Western blot analysis of extracts of HepG2 cells, using Heme Oxygenase 1 (HO-1/HMOX1) antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Heme Oxygenase 1 (HO-1/HMOX1) antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-HO-1/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-HO-1/HMOX1 antibody	Epigenetics & Nuclear Signaling ; Cancer ; Signal Transduction ; Endocrine & Metabolism ; Immunology & Inflammation ; Neuroscience ; Neurodegenerative Diseases ; Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease ; Cardiovascular ; Blood ; H

NCBI AND UNIPROT INFORMATION

NCBI GI #	224177491
NCBI GeneID	9975
NCBI Accession #	NP_005117.3
NCBI GenBank Nucleotide #	NM_005126.4
UniProt Accession #	Q14995; O00402; Q86XD4; B2R8Q3
Molecular Weight	64,625 Da
NCBI Official Full Name	nuclear receptor subfamily 1 group D member 2 isoform 1
NCBI Official Synonym Full Names	nuclear receptor subfamily 1, group D, member 2
NCBI Official Symbol	NR1D2
NCBI Official Synonym Symbols	RVR; BD73; EAR-1R
NCBI Protein Information	nuclear receptor subfamily 1 group D member 2; rev-erb-beta; rev-erb alpha-related receptor; rev-erba-alpha-related receptor; V-erbA-related protein 1-related; orphan nuclear hormone receptor BD73; nuclear receptor Rev-ErbA beta variant 1; nuclear recepto
UniProt Protein Name	Nuclear receptor subfamily 1 group D member 2
UniProt Gene Name	NR1D2
UniProt Synonym Gene Names	RVR; EAR-1R
UniProt Entry Name	NR1D2_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-ho-1-hmox1-antibody-western-blot-immunofluorescence-immunocytochemistry-elisa/28414>