

Datasheet for ABIN7267605  
**anti-HMOX1 antibody**



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7 Images

Overview

Quantity:	100 µL
Target:	HMOX1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This HMOX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Heme Oxygenase 1 (HO-1/HMOX1) (HO-1/HMOX1)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	HMOX1
Alternative Name:	HMOX1 ( <a href="#">HMOX1 Products</a> )
Background:	Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin,

## Target Details

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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. [provided by RefSeq, Jul 2008],HMOX1,HMOX1D,HO-1,HSP32,bK286B10,Blood,Cancer,Cardiovascular,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,Hypoxia,Immunology & Inflammation,Neurodegenerative Diseases,Neurodegenerative Diseases\_Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimers Disease,Neuroscience,Signal Transduction,HMOX1

Molecular Weight: 33kDa

Gene ID: 3162

UniProt: [P09601](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [SARS-CoV-2 Protein Interactome](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

## Handling

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Format: Liquid

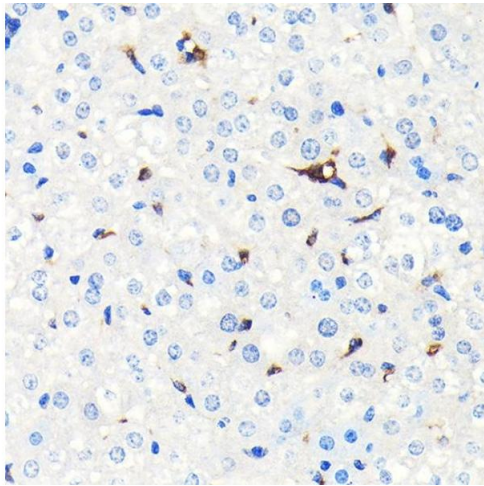
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

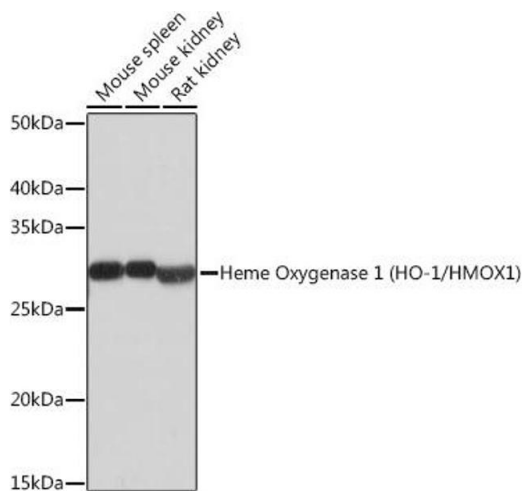
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



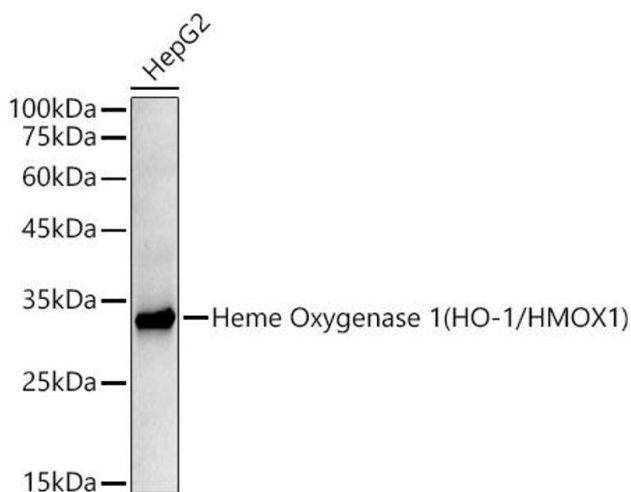
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse liver using Heme Oxygenase 1 (HO-1/HMOX1) (HO-1/HMOX1) Rabbit mAb at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Heme Oxygenase 1 (HO-1/HMOX1) (HO-1/HMOX1) antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



### Western Blotting

**Image 3.** Western blot analysis of extracts of HepG2 cells, using Heme Oxygenase 1 (HO-1/HMOX1) antibody at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7267605.