

# [KD Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb

Catalog No.: A19062 **Recombinant** **65 Publications**

## Basic Information

### Observed MW

33kDa

### Calculated MW

33kDa

### Category

Primary antibody

### Applications

WB,IF-P,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse  Rat

### CloneNo number

ARC53508

## Background

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.

## Recommended Dilutions

**WB** 1:2000 - 1:10000

**IF-P** 1:50 - 1:200

**IHC-P** 1:200 - 1:800

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

3162

### Swiss Prot

P09601

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

HO-1; HSP32; HMOX1D; bK286B10

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

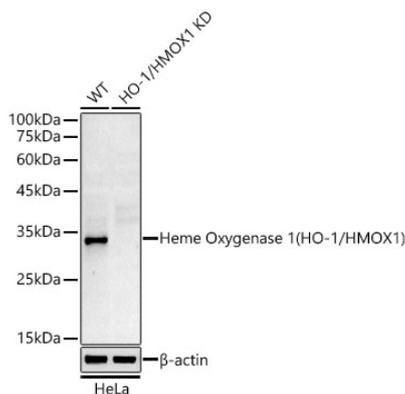
Affinity purification

### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and Heme Oxygenase 1 (HO-1/HMOX1) knockdown (KD) HeLa cells, using [KD Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at 1:10000 dilution.

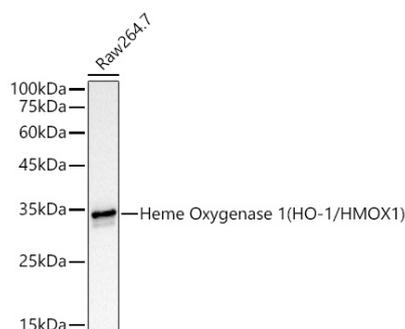
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Western blot analysis of lysates from Raw264.7 cells, using [KD Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at 1:10000 dilution.

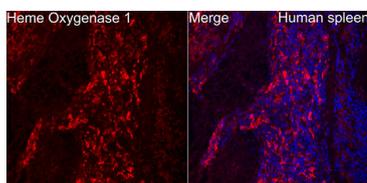
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

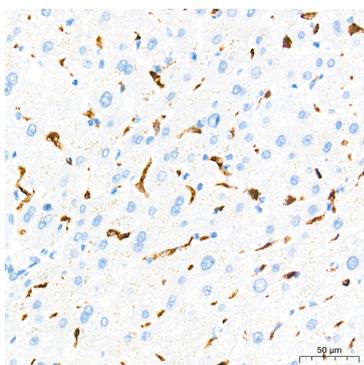
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

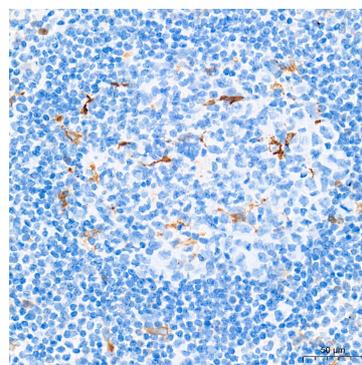
Exposure time: 3s.



Immunofluorescence analysis of paraffin-embedded human spleen using [KD Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



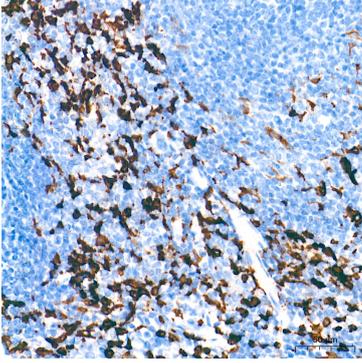
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using [KD Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using [KD Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using [KD Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.