

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

Catalog No.: A19062 **KO** **Validated** **Recombinant** **8 Publications**

## Basic Information

### Observed MW

33kDa

### Calculated MW

33kDa

### Category

Primary antibody

### Applications

WB,IHC,IP

### 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. [provided by RefSeq, Jul 2008]

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC</b>	1:50 - 1:200
<b>IP</b>	1:50 - 1:100

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
3162	P09601

### Immunogen

A synthesized peptide derived from human Heme Oxygenase 1 (HO-1/HMOX1) (HO-1/HMOX1)

### Synonyms

HMOX1;HMOX1D;HO-1;HSP32;bK286B10

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

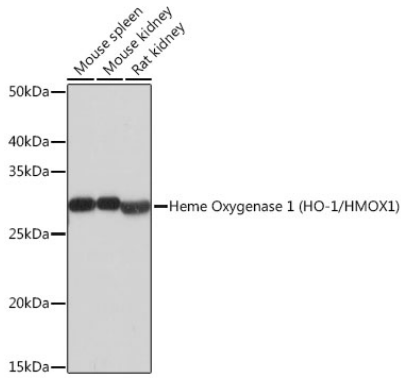
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

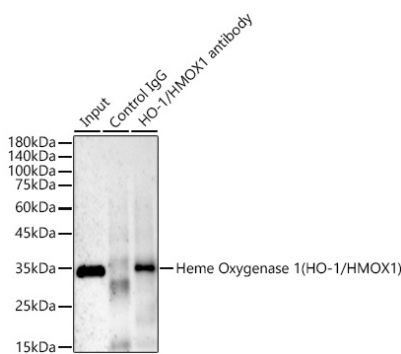
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

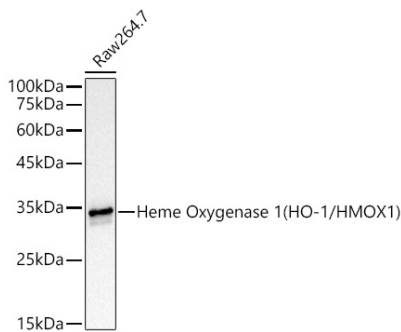
## Validation Data



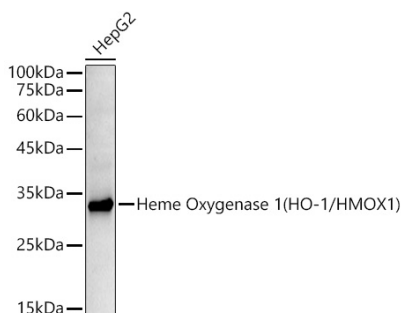
Western blot analysis of extracts of various cell lines, using Heme Oxygenase 1 (HO-1/HMOX1) antibody (A19062) at 1:500 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.



Immunoprecipitation analysis of 300ug extracts of HepG2 cells using 3ug Heme Oxygenase 1 (HO-1/HMOX1) antibody (A19062). Western blot was performed from the immunoprecipitate using Heme Oxygenase 1 (HO-1/HMOX1) antibody (A19062) at a dilution of 1:1000.

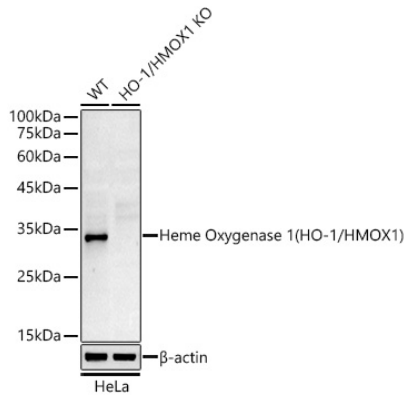


Western blot analysis of extracts of Raw264.7 cells, using Heme Oxygenase 1 (HO-1/HMOX1) antibody (A19062) at 1:10000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3s.

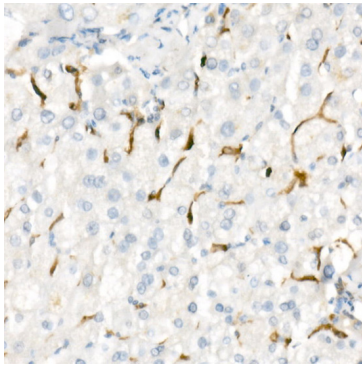


Western blot analysis of extracts of HepG2 cells, using Heme Oxygenase 1 (HO-1/HMOX1) antibody (A19062) at 1:10000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.

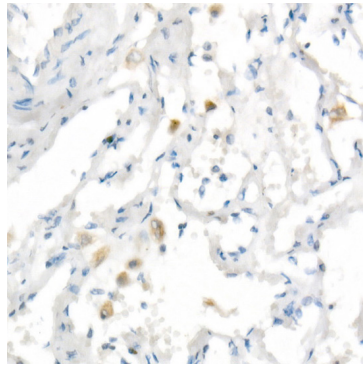
## Validation Data



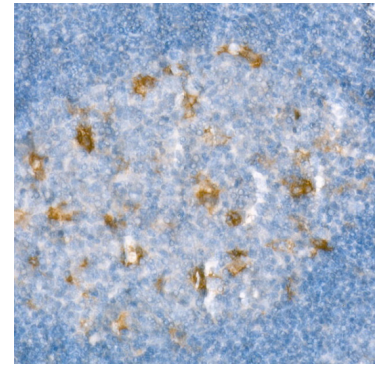
Western blot analysis of extracts from wild type (WT) and Heme Oxygenase 1 (HO-1/HMOX1) knockout (KO) HeLa cells, using Heme Oxygenase 1 (HO-1/HMOX1) antibody (A19062) at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



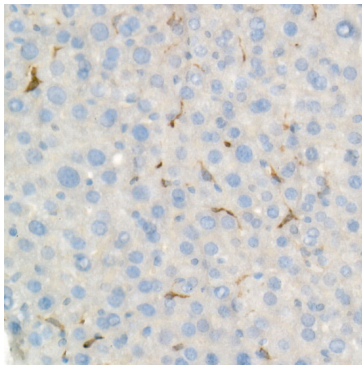
Immunohistochemistry of paraffin-embedded human liver using [KO Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at dilution of 1:200 (40x lens).



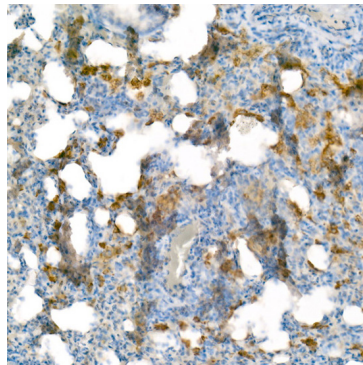
Immunohistochemistry of paraffin-embedded human lung using [KO Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human tonsil using [KO Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse liver using [KO Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded rat lung using [KO Validated] Heme Oxygenase 1 (HO-1/HMOX1) Rabbit mAb (A19062) at dilution of 1:200 (40x lens).