Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb®

Catalog No.: A28140PM

Basic Information

Observed MW
30 kDa/35 kDa

Calculated MW
33 kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,IF-P,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

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	1:5000 - 1:25000
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
IF/ICC	1:200 - 1:2000
IF-P	1:200 - 1:2000
IHC-P	1:5000 - 1:20000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
3162/15368

Swiss Prot
P09601/P14901

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

Synonyms
HO-1; HSP32; HMOX1D; bK286B10; D8Wsu38e; HO-1; HO1; Hemox; Hmox; Hsp32

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

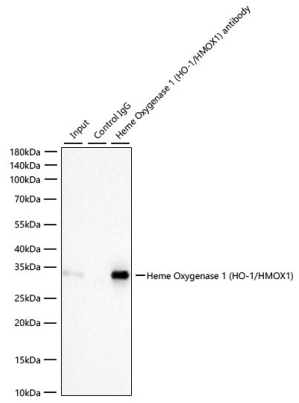
Contact

400-999-6126

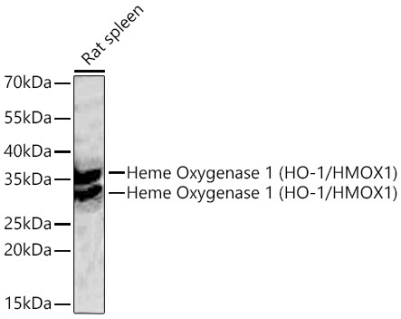
cn.market@abclonal.com.cn

www.abclonal.com.cn

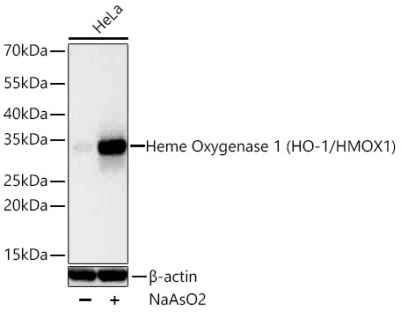
Validation Data



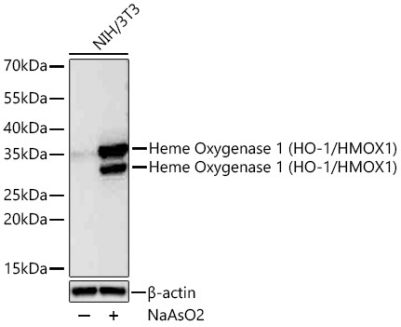
Immunoprecipitation of Heme Oxygenase 1 (HO-1/HMOX1) from 300 µg extracts of HeLa cells was performed using 2 µg of Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1× Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM) at a dilution of 1:5000.



Western blot analysis of lysates from Rat spleen using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) 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: 20 s.

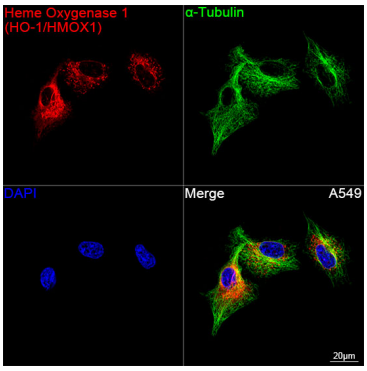


Western blot analysis of lysates from HeLa cells using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM) at 1:5000 dilution incubated overnight at 4℃. HeLa cells were treated with NaAsO2 (50 µM) for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.

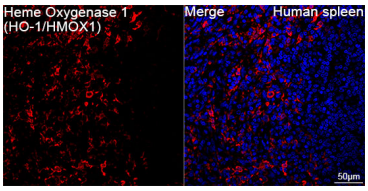


Western blot analysis of lysates from NIH/3T3 cells using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM) at 1:5000 dilution incubated overnight at 4℃. NIH/3T3 cells were treated with NaAsO2 (50 µM) for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.

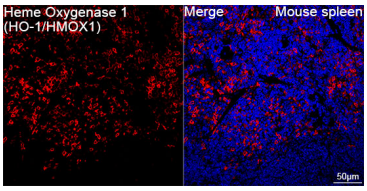
Validation Data



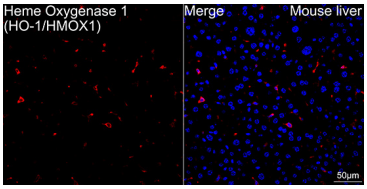
Confocal imaging of A549 cells using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



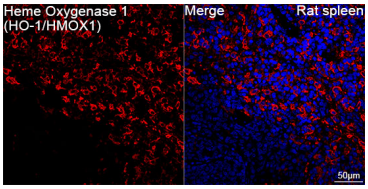
Confocal imaging of paraffin-embedded Human spleen tissue using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



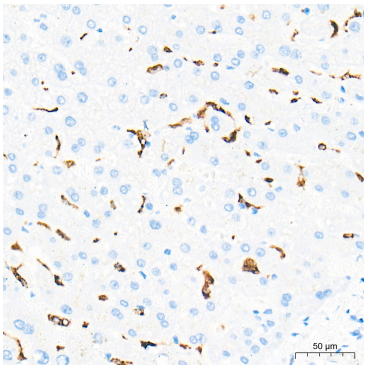
Confocal imaging of paraffin-embedded Mouse spleen tissue using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



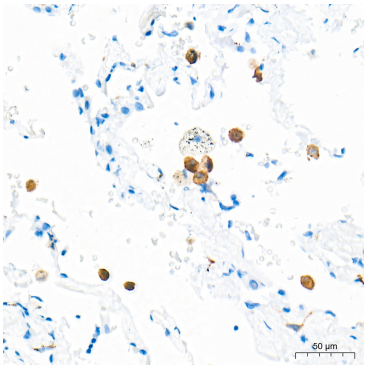
Confocal imaging of paraffin-embedded Mouse liver tissue using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



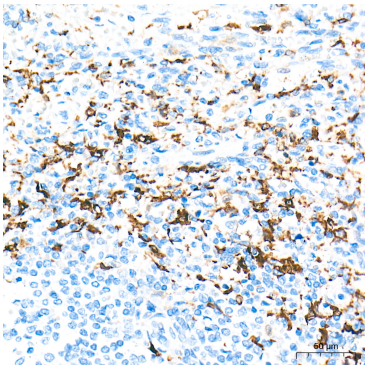
Confocal imaging of paraffin-embedded Rat spleen tissue using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



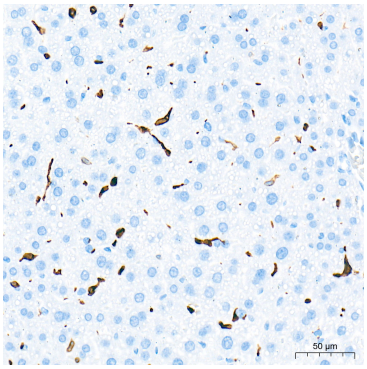
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung tissue using Heme



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using Heme



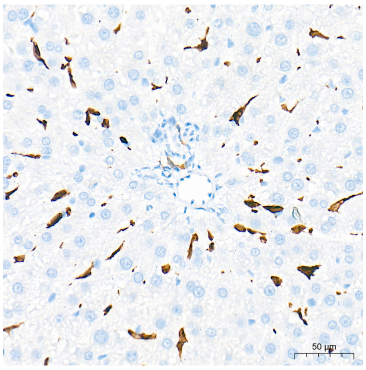
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Heme

Validation Data

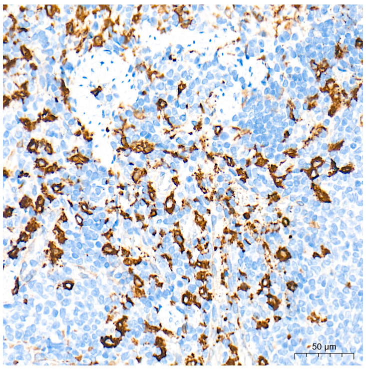
Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM) at a dilution of 1:10000 (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 Rat liver tissue using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM) at a dilution of 1:10000 (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 Rat spleen tissue using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit PolymAb® (A28140PM) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.