

Heme Oxygenase 1 Rabbit mAb

Catalog NO.: A27713 **Recombinant** **2 Publications**

Basic Information

Observed MW

28 kDa/33 kDa

Calculated MW

33 kDa

Category

Monoclonal Antibodies

Applications

WB, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Clone number

ARC74641

Background

Predicted to enable several functions, including heme binding activity; oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, reduced flavin or flavoprotein as one donor, and incorporation of one atom of oxygen; and protein homodimerization activity. Acts upstream of or within several processes, including cellular response to cadmium ion; cellular response to cisplatin; and regulation of macroautophagy. Located in nucleus. Is active in cytosol. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; respiratory system; and sensory organ. Used to study hemochromatosis and malaria. Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); cerebrovascular disease (multiple); factor VIII deficiency; lung disease (multiple); and sickle cell anemia. Orthologous to human HMOX1 (heme oxygenase 1).

Recommended Dilutions

WB 1:2000 - 1:10000

IF-P 1:200 - 1:1000

IHC-P 1:10000 - 1:40000

ELISA

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

Immunogen Information

Gene ID	Swiss Prot
15368	P14901

Immunogen

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

Synonyms

HO1; HO-1; Hmox; Hemox; Hsp32; D8Wsu38e

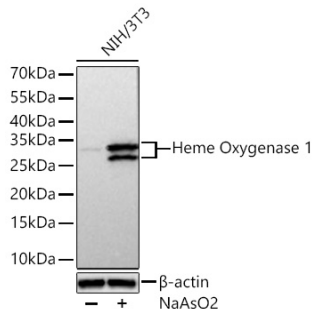
Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.		

Validation Data



Western blot analysis of lysates from NIH/3T3 cells using Heme Oxygenase 1 Rabbit mAb (A27713) at 1:5000 dilution incubated overnight at 4°C. NIH/3T3 cells were treated with NaAsO2 (50 μ M) for 8 hour.

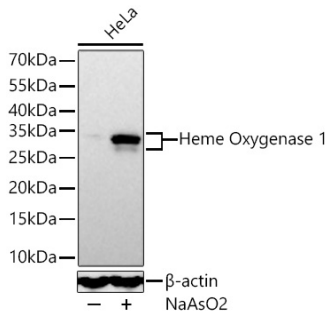
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 μ g per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of lysates from HeLa cells using Heme Oxygenase 1 Rabbit mAb (A27713) at 1:5000 dilution incubated overnight at 4°C. HeLa cells were treated with NaAsO2 (50 μ M) for 8 hour.

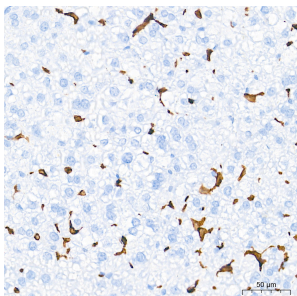
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 μ g per lane.

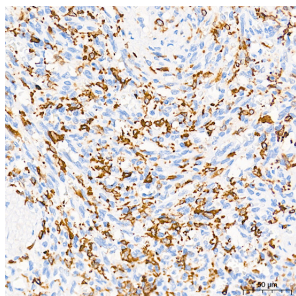
Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

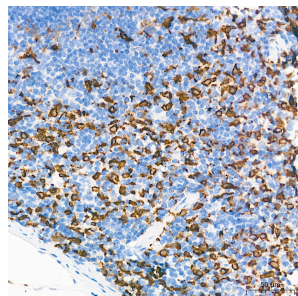
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Heme Oxygenase 1 Rabbit mAb (A27713) at a dilution of 1:10000 (40x



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using Heme Oxygenase 1 Rabbit mAb (A27713) at a dilution of 1:10000 (40x



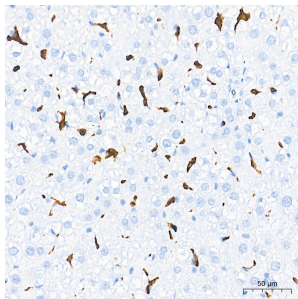
Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using Heme Oxygenase 1 Rabbit mAb (A27713) at a dilution of 1:10000 (40x

lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

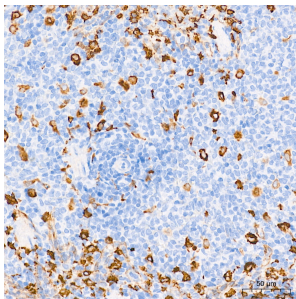
1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

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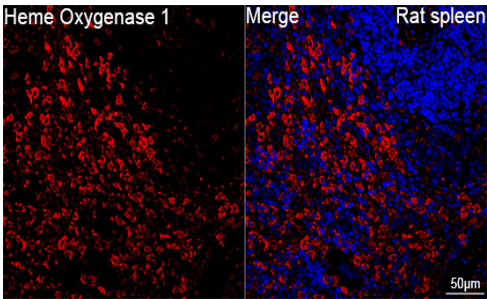
Validation Data



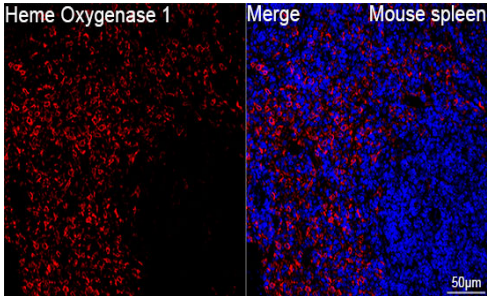
Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Heme Oxygenase 1 Rabbit mAb (A27713) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



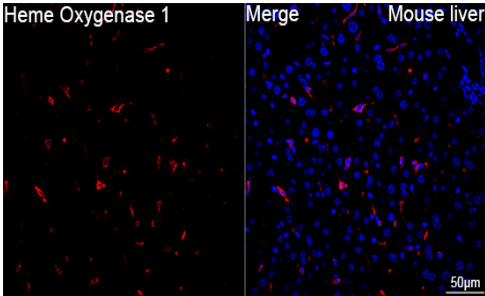
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using Heme Oxygenase 1 Rabbit mAb (A27713) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Rat spleen tissue using Heme Oxygenase 1 Rabbit mAb (A27713, dilution 1:200) followed by a further incubation with Cy3 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 Rabbit mAb (A27713, dilution 1:200) followed by a further incubation with Cy3 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 Rabbit mAb (A27713, dilution 1:200) followed by a further incubation with Cy3 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.

