A21452

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Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb

Catalog No.: A21452 2 Publications

Basic Information

Observed MW
33kDa

Calculated MW
33kDa

Category
Polyclonal Antibody

Applications
WB,IF/ICC,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	1:500 - 1:5000
IF/ICC	1:50 - 1:200
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; Heme Oxygenase 1 (HO-1/HMOX1)

Contact

www.abclonal.com

Product Information

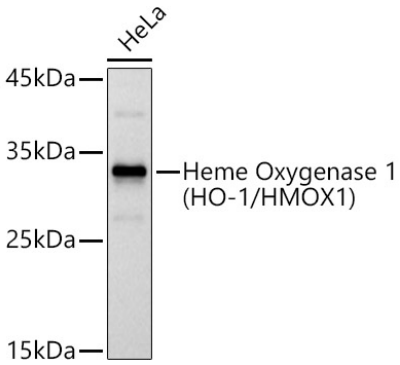
Source
Rabbit

Isotype
IgG

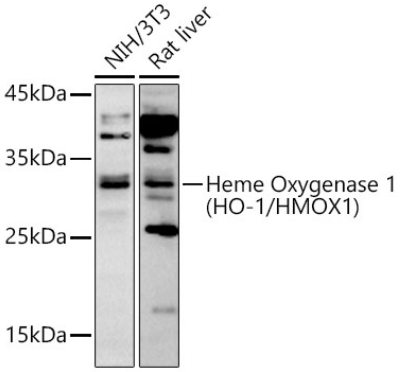
Purification
Affinity purification

Storage
Store at -20℃

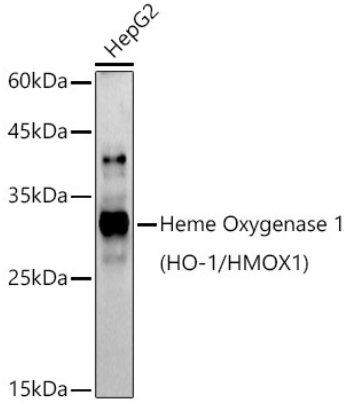
Validation Data



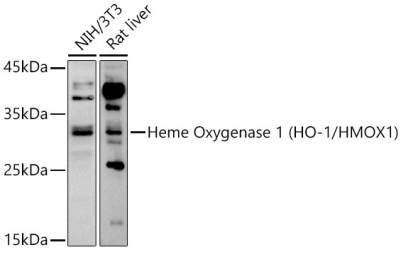
Western blot analysis of lysates from HeLa cells, using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (A21452) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Western blot analysis of various lysates using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (A21452) at 1:1000 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: 90s.

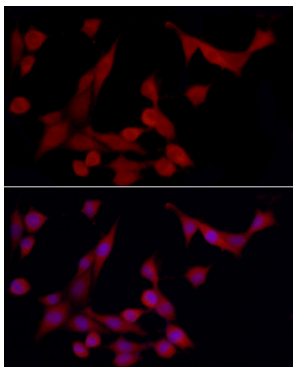


Western blot analysis of lysates from HepG2 cells, using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (A21452) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.

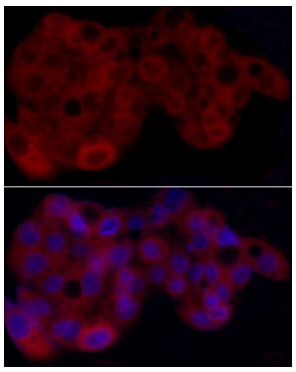


Western blot analysis of various lysates using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (A21452) at 1:1000 dilution .
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90ss.

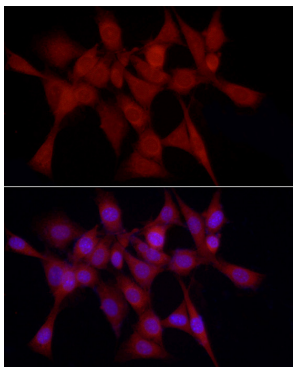
Validation Data



Immunofluorescence analysis of PC-12 using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (A21452) at dilution of 1 : 50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HepG2 using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (A21452) at dilution of 1 : 50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (A21452) at dilution of 1 : 50 (40x lens). Blue: DAPI for nuclear staining.