

Heme Oxygenase 1 (HO-1/HMOX1) Antibody

CAB11102

Description

This Heme Oxygenase 1 (HO-1/HMOX1) Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB11102
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	HO-1, HSP32, HMOX1D, bK286B10, Heme Oxygenase 1 (HO-1/HMOX1)
Clone:	-
Applications:	WB IHC-P ELISA IF-P
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	3162
Uniprot:	AB_2758406
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	30kDa
Calculated MW:	33kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

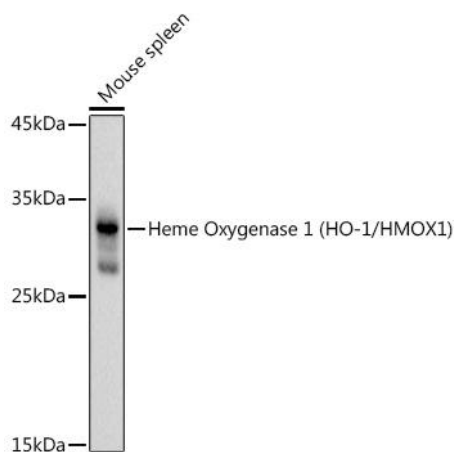
Positive Sample: Mouse spleen, Hep G2, A549

Recommended Dilutions:

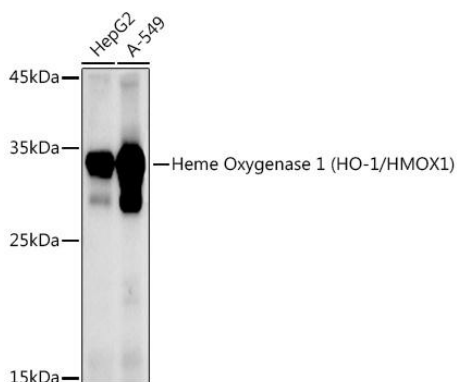
WB	1:500 - 1:1000
IF-P	1:100 - 1:200
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

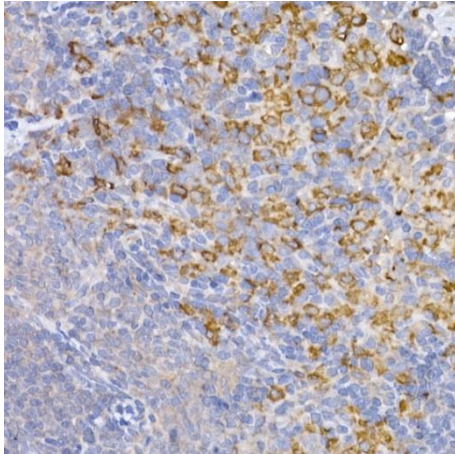
Validation Data



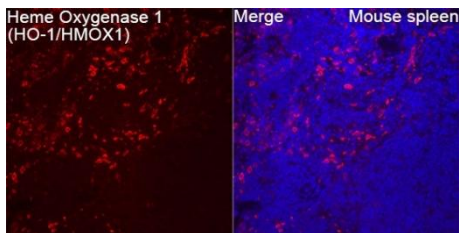
Western blot analysis of lysates from Mouse spleen, using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (CAB11102) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3s.



Western blot analysis of various lysates using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (CAB11102) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (AbGn00021). Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (CAB11102) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Mouse spleen tissue using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit pAb (CAB11102, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, 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.