

Anti-Hmox1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

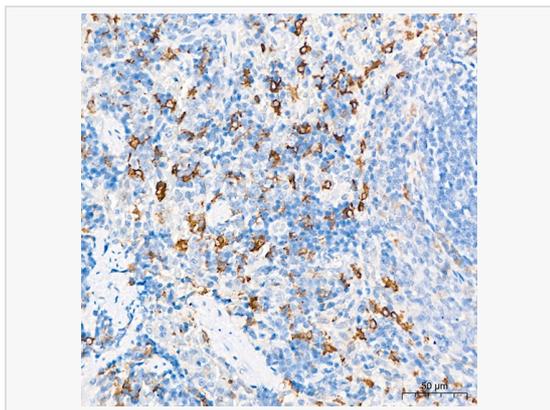
Catalog # P104798

Product Information

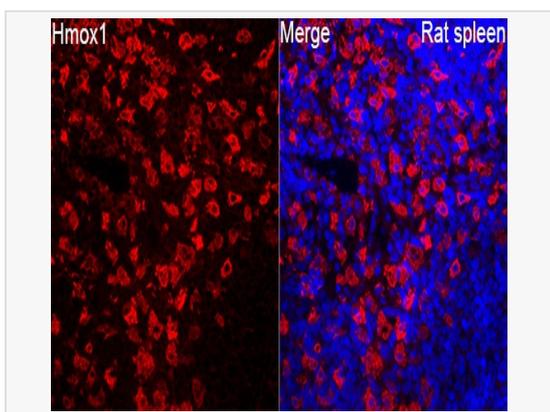
Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:200; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant Protein corresponding to a sequence within amino acids 1-266 of mouse Hmox1(NP_034572.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Hmox1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

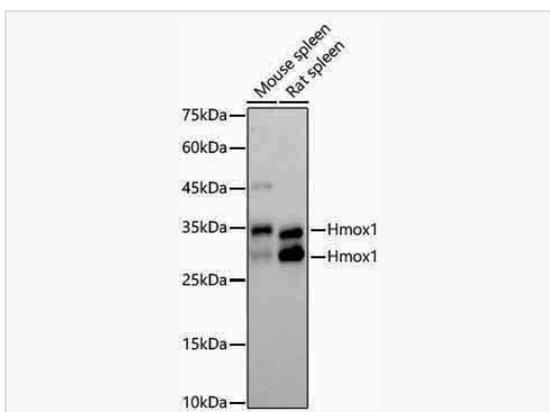
Synonyms	HO1; HO-1; Hmox; Hemox; Hsp32; D8Wsu38e; Hmox1.
Calculated MW	Calculated MW: 32 kDa; Observed MW: 28-33 kDa
Uniprot ID	P14901
Gene ID	15368
Background	Predicted to enable several functions, including heme binding activity; heme oxygenase (decyclizing) activity; and protein homodimerization activity. Acts upstream of or within several processes, including cellular response to cisplatin; cellular response to metal ion; and regulation of macroautophagy. Located in nucleus. Is expressed in several structures, including alimentary system; central nervous system; early conceptus; genitourinary 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).



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using Hmox1 Rabbit pAb (P104798) at a dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of Rat spleen tissue using Hmox1 Rabbit pAb (P104798) at a dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Western blot analysis of various lysates using Hmox1 Rabbit pAb (P104798) at 1:1,000 dilution.

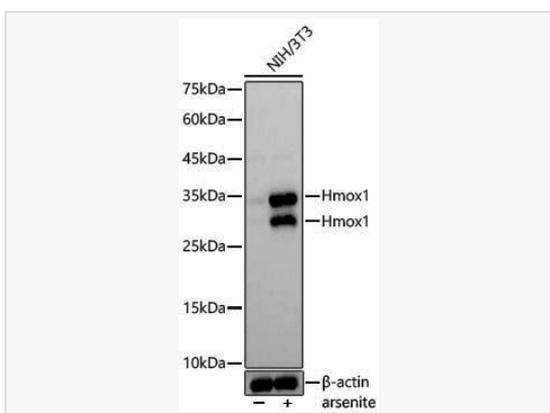
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates / proteins: 25 μg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 30s.



Western blot analysis of lysates from NIH/3T3 cells using Hmox1 Rabbit pAb

(P104798) at 1:1,000 dilution. NIH/3T3 cells were treated by arsenite (50 μM) at 37°C for 8 hours.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 μg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 1s.