Anti-Hmox1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104798

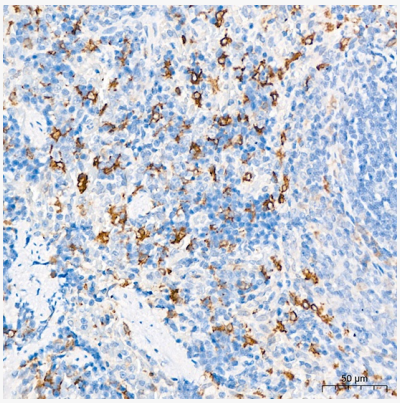
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse, Rat
Dilution	WB 1:500~1:1000; IF 1:50~1:200; IHC-P 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.

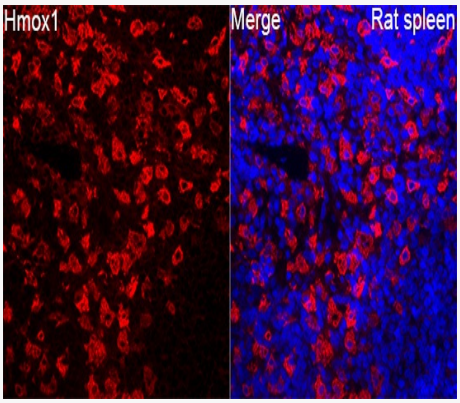
Protein Information

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).

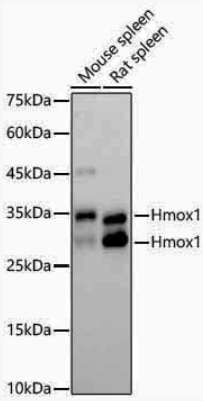
Validation Images



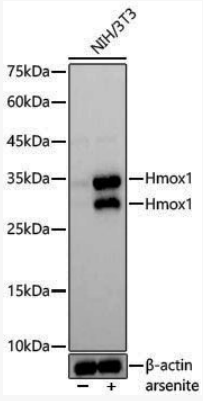
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using Hmox1 Rabbit pAb (P104798) at a dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



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.