

Anti-HMOX1 antibody (1-288) (STJ116419)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

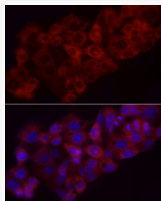
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:5000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 33kDa Observed Mw: 33kDa/
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

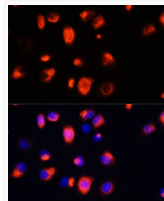
Gene ID	3162
Gene Symbol	HMOX1
UniProt ID	HMOX1_HUMAN
Immunogen Region	1-288
Immunogen Sequence	MERPQDSMPQDLSEALKEA TKEVHTQAENAEFMRNFQKG QVTRDGFKLVMASLYHIYVA LEEEIERNKESPVFAPVYFP EELHRKAALQDLAFWYGPR WQEVIPYTPAMQRYVKRLHE VGRTEPELLVAHAYTRYLGD LSGGQVLKIAQKALDLPSS GEGLAFFTFPNIASATKFKQ LYRSRMNSLEMPAVRQRVI EEAKTAFLLNIQLFEELQEL LTHDTKDQSPSRAPGLRQR
Specificity	A synthetic peptide corresponding to a sequence within amino acids 1-288 of human Heme Oxygenase 1 (HO-1/HMOX1) (NP_002124.1).

ADDITIONAL INFORMATION

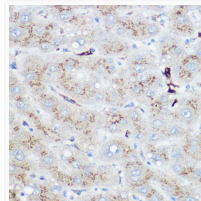
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



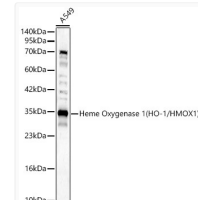
Immunofluorescence analysis of HepG2 cells using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit polyclonal antibody (STJ116419) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using Heme Oxygenase 1 (HO-1/HMOX1) antibody (STJ116419) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded human liver using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit polyclonal antibody (STJ116419) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of A549, using Heme Oxygenase 1 (HO-1/HMOX1) Rabbit polyclonal antibody (STJ116419) at 1:2000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.