Anti-Heme Oxygenase 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014764

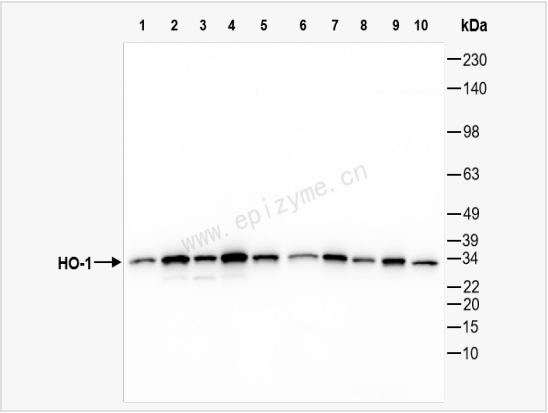
Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Mouse, Rat, Human
Dilution	WB 1:2,000~1:10,000; IHC-P 1:2,000~1:10,000; IF 1:2,000~1:10,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	58Q07H13
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Heme Oxygenase 1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% 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-Heme Oxygenase 1 Rabbit mAb [58Q07H13] is for research use only and not for use in diagnostic or therapeutic procedures.

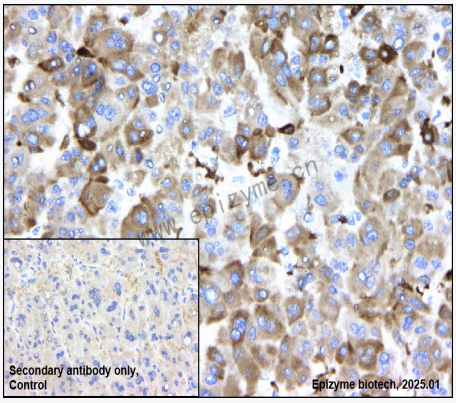
Protein Information

Synonyms	32 kD, bK286B10, D8Wsu38e, heat shock protein 32 kD, heat shock protein 32kD, Heat shock protein, Heme oxygenase (decycling) 1, Heme oxygenase 1, Hemox, HMOX 1, Hmox, Hmox1, HMOX1_HUMAN, HO 1, HO, HO-1, HO1, Hsp32.
Calculated MW	Calculated MW: 33 kDa; Observed MW: 33 kDa
Uniprot ID	P09601
Gene ID	3162
RRID	AB_3753354
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. [provided by RefSeq, Jul 2008]
Cellular Location	Microsome. Endoplasmic reticulum.

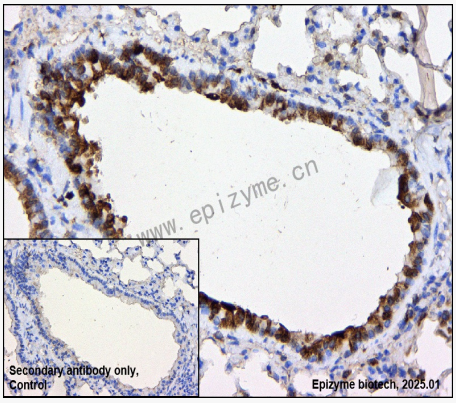
Validation Images



Western Blot - Anti-Heme Oxygenase 1 Rabbit mAb [58Q07H13]
All lanes: R014764 at 1:5,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: 293T (Human embryonic kidney cell) whole cell lysates
Lane 7: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 8: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 9: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 33 kDa
Observed band size: 33 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Heme Oxygenase 1 Rabbit mAb [58Q07H13]
Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014764 at 1:6,000 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Heme Oxygenase 1 Rabbit mAb [58Q07H13]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse lung tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014764 at 1:6,000 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.