

Anti-Heme Oxygenase 1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

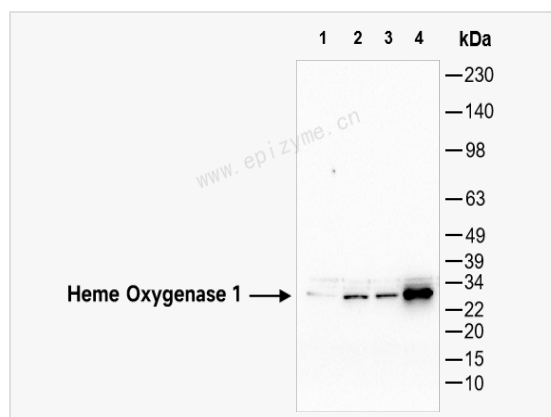
Catalog # M016172

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	87R24H60
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Heme Oxygenase 1
Format	Affinity purified monoclonal 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-Heme Oxygenase 1 Mouse mAb [87R24H60] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	HO; HO1; HMOX1; Heme oxygenase 1; HO-1.
Calculated MW	Calculated MW: 33 kDa; Observed MW: 30 kDa
Uniprot ID	P09601
Gene ID	3162
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	Endoplasmic reticulum membrane; Single-pass type IV membrane protein.
Tissue Location	Expressed at higher levels in renal cancer tissue than in normal tissue (at protein level).



Western Blot - Anti-Heme Oxygenase 1 Mouse mAb [87R24H60]

All lanes: M016172 at 1:2,000 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

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Lysates/proteins at 20 µg per lane.

Predicted band size: 33 kDa

Observed band size: 30 kDa

Developed using the ECL technique (Cat. No. SQ201).