

Anti-Heme Oxygenase 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

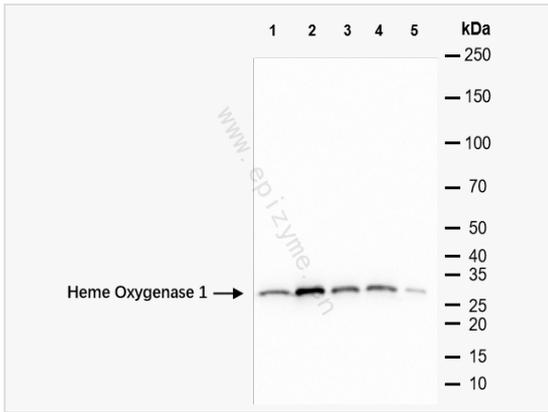
Catalog # R014525

Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Human
Dilution	WB 1:1,000~1:4,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	65J99M24
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 [65J99M24] 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
Background	Catalyzes the oxidative cleavage of heme at the alpha-methene bridge carbon, released as carbon monoxide (CO), to generate biliverdin IXalpha, while releasing the central heme iron chelate as ferrous iron. Affords protection against programmed cell death and this cytoprotective effect relies on its ability to catabolize free heme and prevent it from sensitizing cells to undergo apoptosis.
Cellular Location	Microsome. Endoplasmic reticulum.



Western Blot - Anti-Heme Oxygenase 1 Rabbit mAb [65J99M24]

All lanes: R014525 at 1:4,000 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: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

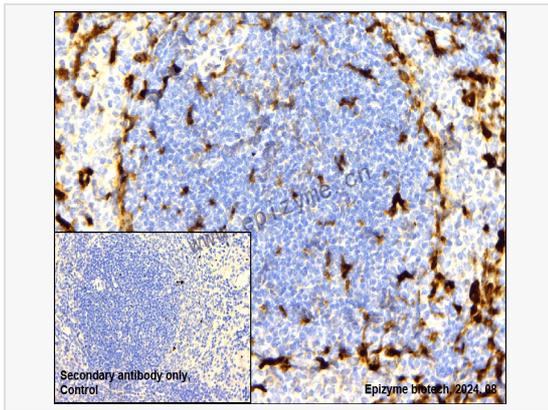
Lysates/proteins at 10 µg per lane.

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 [65J99M24]

Sample: Paraformaldehyde-fixed, paraffin embedded rat spleen tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014525 at 1:200 dilution

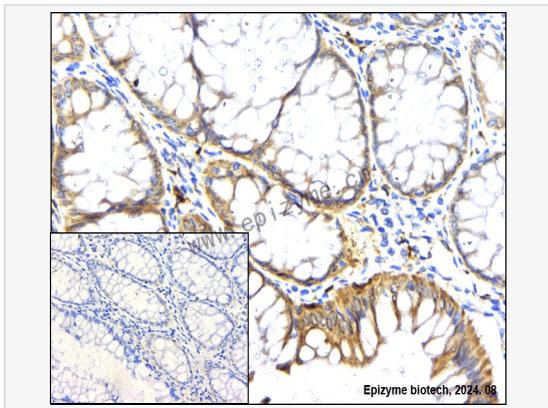
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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 [65J99M24]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014525 at 1:200 dilution

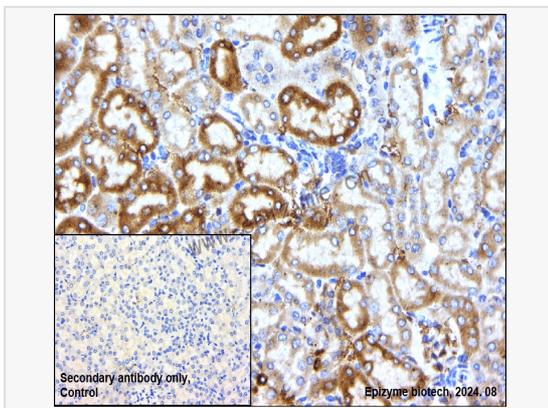
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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 [65J99M24]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse kidney tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014525 at 1:200 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.