

Heme Oxygenase 1 Recombinant Rabbit mAb

Catalog Number: bsm-60751R

Target Protein: Heme Oxygenase 1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 2G4

Isotype: IgG

Applications: WB (1:2000-20000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1:50-100), ICC/IF (1:50-200)

Reactivity: Human, Mouse, Rat

Predicted MW: 32 kDa

Entrez Gene: 3162

Swiss Prot: P09601

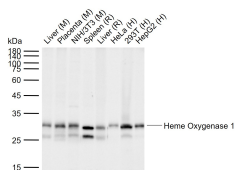
Purification: affinity purified by Protein A

Storage: PBS, Glycerol, BSA.

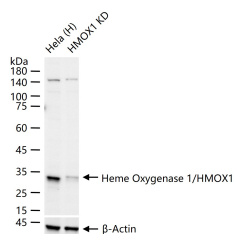
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The hemeoxygenase-1 calls that the hemoglobin oxidizes to synthesize the enzyme again-1(hemeoxygenase-1, HO-1) is the catalyst enzyme that a kind of hemoglobin declines the solution, under the NADPH and the cell dye P-450 revivification enzymes and the member oxygen functions, the catalyst HO-1 hemoglobin declines the solution as the courage green vegetable, CO and irons, the former revivification has the very strong anti- to oxidize the ability after become the red vegetable of courage , the latter is a kind of important letter to make the member.

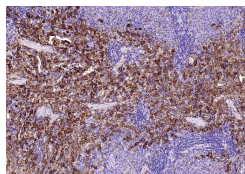
VALIDATION IMAGES



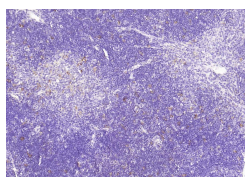
Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Mouse Placenta tissue lysates Lane 3: Mouse NIH/3T3 cell lysates Lane 4: Rat Spleen tissue lysates Lane 5: Rat Liver tissue lysates Lane 6: Human HeLa cell lysates Lane 7: Human 293T cell lysates Lane 8: Human HepG2 cell lysates Primary: Anti-Heme Oxygenase 1 (bsm-60751R) at 1/10000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 32 kDa Observed band size: 30 kDa



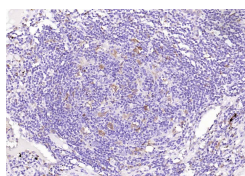
25 ug total protein per lane of various lysates (see on figure) probed with Heme Oxygenase 1/HMOX1 monoclonal antibody, unconjugated (bsm-60751R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



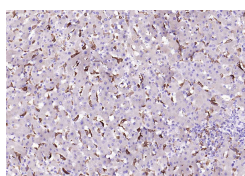
Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Heme Oxygenase 1) Monoclonal Antibody, Unconjugated (bsm-60751R) at 1:1000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat thymus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Heme Oxygenase 1) Monoclonal Antibody, Unconjugated (bsm-60751R) at 1:1000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Heme Oxygenase 1) Monoclonal Antibody, Unconjugated (bsm-60751R) at 1:1000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Heme Oxygenase 1) Monoclonal Antibody, Unconjugated (bsm-60751R) at 1:1000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.7] Keiichi Hiramoto. et al. Induction of Skin Cancer by Long-Term Blue Light Irradiation. BIOMEDICINES. 2023 Aug;11(8):2321 IHC ; Mouse . 37626816

[IF=4.6] Zhiguang Zhang. et al. The Protective Effect of Marsdenia tenacissima against Cisplatin-Induced Nephrotoxicity Mediated by Inhibiting Oxidative Stress, Inflammation, and Apoptosis. MOLECULES. 2023 Jan;28(22):7582 WB ; Mouse . 38005304