

bs-2075R**[Primary Antibody]**

Heme Oxygenase 1 Rabbit pAb

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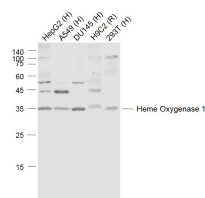
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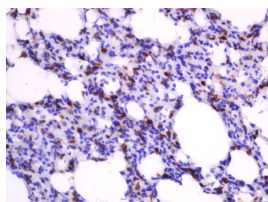
DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat, Pig (predicted: Rabbit, Sheep, Cow, Chicken, Dog, GuineaPig, Horse) Predicted MW.: 32 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 3162	SWISS: P09601	
Target: Heme Oxygenase 1		
Immunogen: KLH conjugated synthetic peptide derived from human HO-1: 101-200/288.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. 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: HepG2 (Human) Cell Lysate at 30 ug
Lane 2: A549 (Human) Cell Lysate at 30 ug
Lane 3: DU145 (Human) Cell Lysate at 30 ug
Lane 4: H9C2 (Rat) Cell Lysate at 30 ug
Lane 5: 293T (Human) Cell Lysate at 30 ug
Primary: Anti-Heme Oxygenase 1 (bs-2075R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 32 kD
Observed band size: 35 kD



Tissue/cell: rat lung tissue; 4%
Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Heme Oxygenase 1 Polyclonal Antibody, Unconjugated(bs-2075R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=11.4]** Jing Zhao. et al. Differentiation of intestinal stem cells toward goblet cells under systemic iron overload stress are associated with inhibition of Notch signaling pathway and ferroptosis. REDOX BIOL. 2024 Jun;72:103160 WB ;Mouse. 38631120
- **[IF=10.2]** Wen E. et al. The mitochondria-targeted Kaempferol nanoparticle ameliorates severe acute pancreatitis. J NANOBIOTECHNOL. 2024 Dec;22(1):1-15 WB ;Mouse. 38570776
- **[IF=10]** Xu-rui Gu. et al. Layer-by-Layer Assembly of Renal-Targeted Polymeric Nanoparticles for Robust Arginase-2

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Knockdown and Contrast-Induced Acute Kidney Injury Prevention. ADV HEALTHC MATER. 2024 May;;2304675 WB ;Mouse. 38688026

- **[IF=7.9]** Yu-Sheng Shi. et al. Dendrobine rescues cognitive dysfunction in diabetic encephalopathy by inhibiting ferroptosis via activating Nrf2/GPX4 axis. PHYTOMEDICINE. 2023 Jul;;154993 WB ;Mouse. 37567006
- **[IF=8]** Yueyue Liu. et al. Oxidation alters bioactivity of myofibrillar proteins digests: Evidence from ROS generation and inflammatory response in Caco-2 cells, and peptide transport in Caco-2 monolayer model. FOOD RES INT. 2025 Jun;;116929 WB ;Human. 10.1016/j.foodres.2025.116929