bs-2075R

## [ Primary Antibody ]

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# Heme Oxygenase 1 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD: 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.

Applications: WB (1:500-2000)

**IHC-P** (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Human, Rat

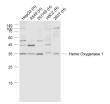
(predicted: Mouse, Rabbit, Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Horse)

Predicted 32 kDa

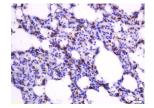
MW.:

Subcellular Cytoplasm

## 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: IRDve800CW 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 paraffinembedded; 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.
- [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

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

- [IF=8.9] Zhang Peng. et al. JC124 confers multimodal neuroprotection in epilepsy by suppressing NLRP3 inflammasome activation: evidence from animal and human neuronal models. CELL COMMUN SIGNAL. 2025 Dec;23(1):1-23 IHC ;Mouse. 40629339
- [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