**bs-1808R** **[ Primary Antibody ]**

# Haptoglobin Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 3240 **SWISS:** P00738

**Target:** Haptoglobin

**Immunogen:** KLH conjugated synthetic peptide derived from human Haptoglobin beta chain: 251-350/406.

**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:** This gene encodes a preproprotein, which is processed to yield both alpha and beta chains, which subsequently combine as a tetramer to produce haptoglobin. Haptoglobin functions to bind free plasma hemoglobin, which allows degradative enzymes to gain access to the hemoglobin, while at the same time preventing loss of iron through the kidneys and protecting the kidneys from damage by hemoglobin. Mutations in this gene and/or its regulatory regions cause ahaptoglobinemia or hypohaptoglobinemia. This gene has also been linked to diabetic nephropathy, the incidence of coronary artery disease in type 1 diabetes, Crohn's disease, inflammatory disease behavior, primary sclerosing cholangitis, susceptibility to idiopathic Parkinson's disease, and a reduced incidence of Plasmodium falciparum malaria. A similar duplicated gene is located next to this gene on chromosome 16. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

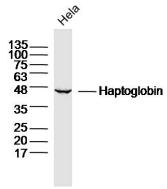
**Applications:** **WB** (1:500-2000)

**Reactivity:** Human, Mouse

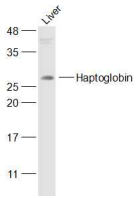
**Predicted MW.:** 27/43 kDa

**Subcellular Location:** Secreted

## VALIDATION IMAGES




Sample: Hela(Human) Cell Lysate at 40 ug Primary: Anti-Haptoglobin (bs-1808R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27/43 kD Observed band size: 45 kD




Sample: Liver (Mouse) Lysate at 40 ug Primary: Anti-Haptoglobin (bs-1808R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27/43 kD Observed band size: 27 kD

## SELECTED CITATIONS


- **[IF=15.923]** Changsheng Xing. et al. Microbiota regulate innate immune signaling and protective immunity against cancer. Cell Host Microbe. 2021 Apr;: IHC ;Mouse. 33894128
- **[IF=7.8]** Lin Liu. et al. Potential Applications of Dual Haptoglobin Expression in the Reclassification and Treatment of Hepatocellular Carcinoma. TRANSL RES. 2024 May;: WB ;Human. 38815898
- **[IF=6.2]** Sprenger-Svačina Alina. et al. Antibiotics-Induced Intestinal Immunomodulation Attenuates Experimental

Autoimmune Neuritis (EAN). J NEUROIMMUNE PHARM. 2024 Dec;19(1):1-13 IF ;Rat. 38819756

- **[IF=2.5]** Yalçın Buğdaycı Azimet. et al. Investigation of the relationship between inflammation and microbiota in the intestinal tissue of female and male rats fed with fructose: Modulatory role of metformin. DARU. 2024 Jun;:1-21 IHC ;Rat. 38884844
- **[IF=2.31]** Kälsch, Julia, et al. "Bathing in carbon dioxide-enriched water alters protein expression in keratinocytes of skin tissue in rats." International Journal of Biometeorology (2016): 1-8. IHC ;="Rat". 27709349