

## Anti-Haptoglobin Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 27/43 kDa. Actual: 43 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample:
	Lane 1: Mouse Plasma
	Lane 2: Recombinant human Haptoglobin protein at 50 ng
	Primary: Anti-Haptoglobin (TMAB-06888) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 27/43 kDa
	Observed band size: 27/43 kDa
	2. Sample: Liver (Mouse) Lysate at 40 µg
	Primary: Anti-Haptoglobin (TMAB-06888) 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
3. Sample: Hela (Human) Cell Lysate at 40 µg	
Primary: Anti-Haptoglobin (TMAB-06888) 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	
Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Haptoglobin beta chain
Antigen Species:	Human
Gene ID:	3240
Uniprot ID:	P00738

### Research 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

## A DRUG SCREENING EXPERT

---

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]

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481