

For Research Use Only

# Haptoglobin Recombinant antibody

Catalog Number: 83702-5-RR



## Basic Information

<b>Catalog Number:</b> 83702-5-RR	<b>GenBank Accession Number:</b> NM_017370.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 15439	<b>CloneNo.:</b> 240785A1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q61646	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> haptoglobin	
	<b>Calculated MW:</b> 39kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse	<b>WB :</b> mouse serum, mouse lung tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse liver tissue,

## Background Information

Neutrophils contained a large amount of highly glycosylated Hp ( $\beta$ -chain 45-65 kDa) synthesized in neutrophil precursors and stored in specific granules and a small amount of Hp ( $\beta$ -chain 39 kDa) endocytosed from plasma and stored in secretory vesicles (PMID: 16543473).

## Storage

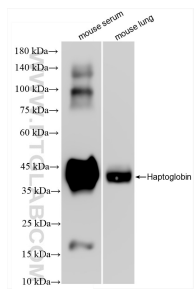
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

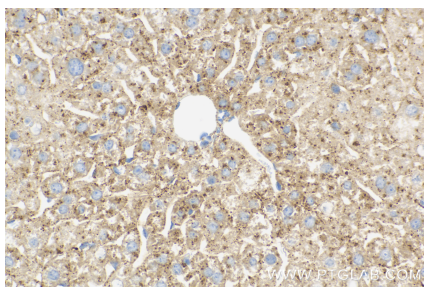
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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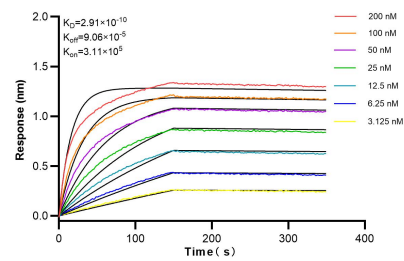
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83702-5-RR (Haptoglobin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 83702-5-RR (Haptoglobin antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83702-5-RR against Mouse Haptoglobin were performed. The affinity constant is 0.291 nM.