

Rabbit anti-Rat, Mouse Haptoglobin Polyclonal Antibody | anti-Hp antibody

Rabbit anti-rat Haptoglobin polyclonal Antibody, Biotin conjugated

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA118100	Rabbit	Rat, Mouse	ELISA

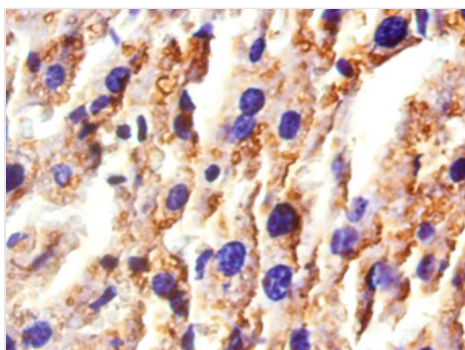
PRODUCT SYNONYMS

Haptoglobin; Polyclonal Antibody; Rabbit anti-rat Haptoglobin polyclonal Antibody; Biotin conjugated; Liver regeneration-related protein LRRG173; Zonulin; Hp; Ba1-647; anti-Hp antibody

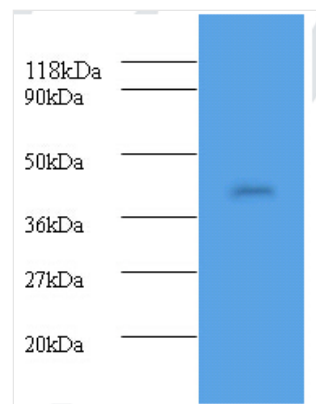
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Sequence Length	347
Applicable Applications for anti-Hp antibody	ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Biotin
Immunogen	Recombinant rat Haptoglobin protein
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse liver at dilution 1:100



WB (Western Blot)
All lanes: Haptoglobin antibody at 2ug/ml + rat liver tissue secondary Goat polyclonal to rabbit at 1/10000 dilution predicted band size: 39kDa observed band size: 39kDa Immunohistochemistry

ADDITIONAL INFORMATION

Related Product Information for anti-Hp antibody	As a result of hemolysis, hemoglobin is found to accumulate in the kidney and is secreted in the urine. Haptoglobin captures, and combines with free plasma hemoglobin to allow hepatic recycling of heme iron and to prevent kidney damage. Haptoglobin also acts as an antioxidant, has antibacterial activity and plays a role in modulating many aspects of the acute phase response. Hemoglobin/haptoglobin complexes are rapidly cleared by the macrophage CD163 scavenger receptor expressed on the surface of liver Kupfer cells through an endocytic lysosomal degradation pathway.Uncleaved haptoglobin, also known as zonulin, plays a role in intestinal permeability, allowing intercellular tight junction disassembly, and controlling the equilibrium between tolerance and immunity to non-self antigens.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60097941
NCBI GeneID	24464
NCBI Accession #	NP_036714.2
NCBI GenBank Nucleotide #	NM_012582.2
UniProt Accession #	P06866; Q5EBB4; Q7TP23
Molecular Weight	42,475 Da
NCBI Official Full Name	haptoglobin
NCBI Official Synonym Full Names	haptoglobin
NCBI Official Symbol	Hp
NCBI Official Synonym Symbols	Ba1-647
NCBI Protein Information	haptoglobin
UniProt Protein Name	Haptoglobin
UniProt Gene Name	Hp
UniProt Entry Name	HPT_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.