

**Anti-HUMAN HAPTOGLOBIN (RABBIT) Antibody**  
**Human Haptoglobin Antibody**  
**Catalog # ASR5185****Specification**

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**Anti-HUMAN HAPTOGLOBIN (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Human Haptoglobin Antibody is tested by ELISA and is suitable for western blotting, ELISA and IHC. Researchers should determine optimal titers for applications that are not stated below.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Human Haptoglobin Antibody was produced by repeated immunizations with Human Haptoglobin protein.
Preservative	0.01% (w/v) Sodium Azide

**Anti-HUMAN HAPTOGLOBIN (RABBIT) Antibody - Additional Information****Gene ID** 3240**Other Names**  
3240**Purity**

Human Haptoglobin Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using antigen resins. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. Analysis by SDS-PAGE was used to determine that this preparation is substantially free of aggregates and shows a banding pattern consistent with purified Rabbit IgG.

**Storage Condition**

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-HUMAN HAPTOGLOBIN (RABBIT) Antibody - Protein Information**

**Name** HP**Function**

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.

**Cellular Location**

Secreted.

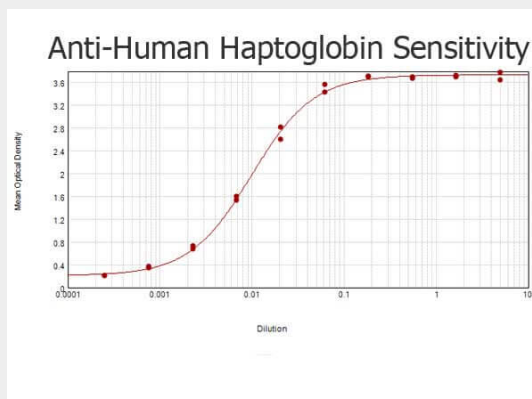
**Tissue Location**

Expressed by the liver and secreted in plasma.

**Anti-HUMAN HAPTOGLOBIN (RABBIT) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-HUMAN HAPTOGLOBIN (RABBIT) Antibody - Images**

ELISA results of purified Rabbit anti-Human Haptoglobin Antibody tested against immunizing antigen. Each well was coated in duplicate with 1.0  $\mu\text{g}$  of antigen. The starting dilution of antibody was 5  $\mu\text{g}/\text{ml}$  and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gelatin (p/n MB-066) as blocking buffer, Goat anti-Rabbit IgG Antibody Peroxidase Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) (p/n 611-103-122) and TMB substrate (p/n TMBE-1000).

**Anti-HUMAN HAPTOGLOBIN (RABBIT) Antibody - Background**

Anti-Human Haptoglobin Antibody detects Haptoglobin. Haptoglobin combined with free plasma hemoglobin prevents loss of iron through the kidneys and protects the kidneys from damage by hemoglobin, while making the hemoglobin accessible to degradative enzymes. Haptoglobin is expressed by the liver and secreted in plasma. Anti-Haptoglobin Antibody is ideal for investigators involved in Cell Signaling, Immunology and Signal Transduction research.