

Datasheet for 600-401-272**Human Haptoglobin Antibody****Overview**

Description:	Anti-Human Haptoglobin (RABBIT) Antibody - 600-401-272
Item No.:	600-401-272
Size:	1 mg
Applications:	ELISA
Reactivity:	Human
Host Species:	Rabbit

Product Details

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.
Synonyms:	rabbit anti-Haptoglobin antibody, Haptoglobin alpha, Haptoglobin beta, alpha polypeptide antibody, Haptoglobin, beta polypeptide antibody, HP antibody, Hp2 alpha antibody, HP2 ALPHA2 antibody, HPA1S antibody, HPT antibody, MGC111141 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HP
Reactivity:	Human
Immunogen Type:	Native Protein
Immunogen:	Human Haptoglobin Antibody was produced by repeated immunizations with Human Haptoglobin protein.

Purity/Specificity: 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.

Relevant Links:

- [NCBI - NP_001119574.1](#)
- [UniProtKB - P00738](#)
- [GeneID - 3240](#)

Application Details

Tested Applications:	ELISA
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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:500,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

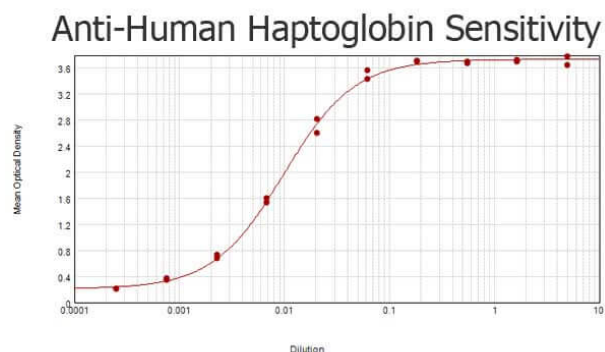
Physical State:	Liquid (sterile filtered)
Concentration:	1.13 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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.

Expiration: Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA results of purified Rabbit anti-Human Haptoglobin Antibody tested against immunizing antigen. Each well was coated in duplicate with 1.0 µg of antigen. The starting dilution of antibody was 5µg/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).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.