

Product datasheet

Anti-Haptoglobin antibody ab85846

4 References 2 Images

Overview

<b>Product name</b>	Anti-Haptoglobin antibody
<b>Description</b>	Rabbit polyclonal to Haptoglobin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA, IHC-P, Sandwich ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Human Haptoglobin
<b>Positive control</b>	Human liver tissue

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	Preservative: 0.01% Sodium Azide Constituents: PBS, pH 7.2
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	ab85846 recognizes Human Haptoglobin. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab85846** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 45 kDa.
ELISA		1/3000 - 1/12000.

Application	Abreviews	Notes
IHC-P		Use a concentration of 2.5 - 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Sandwich ELISA		Use a concentration of 0.5 µg/ml. For sandwich ELISA, use this antibody as Detection at 0.5 µg/ml with <a href="#">Mouse polyclonal to Haptoglobin (ab52652)</a> as Capture.

## Target

### 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 Antimicrobial; 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.

### Tissue specificity

Expressed by the liver and secreted in plasma.

### Involvement in disease

Anhaptoglobinemia

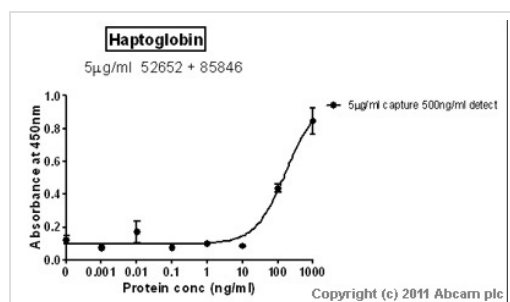
### Sequence similarities

Belongs to the peptidase S1 family.  
Contains 1 peptidase S1 domain.  
Contains 2 Sushi (CCP/SCR) domains.

### Cellular localization

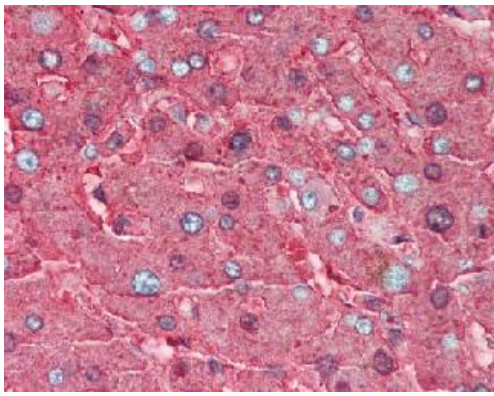
Secreted.

## Images



Sandwich ELISA - Haptoglobin antibody (ab85846)

Standard Curve for Haptoglobin (Analyte: [Haptoglobin protein \(ab77872\)](#)); dilution range 1pg/ml to 1µg/ml using Capture Antibody [Mouse polyclonal to Haptoglobin \(ab52652\)](#) at 5µg/ml and Detector Antibody [Rabbit polyclonal to Haptoglobin \(ab85846\)](#) at 0.5µg/ml.



ab85846 at 2.5 µg/ml staining Haptoglobin in formalin fixed and paraffin embedded Human liver tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Haptoglobin antibody (ab85846)

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