

Datasheet for ABIN734738
anti-Haptoglobin antibody (AA 251-350)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Haptoglobin (HP)
Binding Specificity:	AA 251-350
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Haptoglobin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Hpt
Isotype:	IgG
Specificity:	This protein may interact with Peptidase S1 Domain in LPA.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Haptoglobin (HP)
---------	------------------

Target Details

Abstract: [HP Products](#)

Background: Synonyms: BP, HPA1S, HP2ALPHA2, Haptoglobin, Zonulin, HP

Background: 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.

Gene ID: 3240

UniProt: [P00738](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

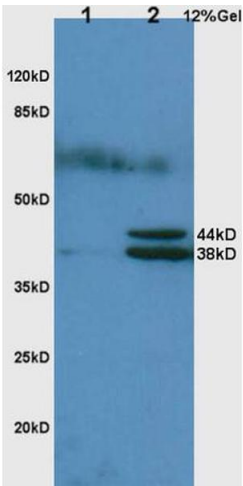
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

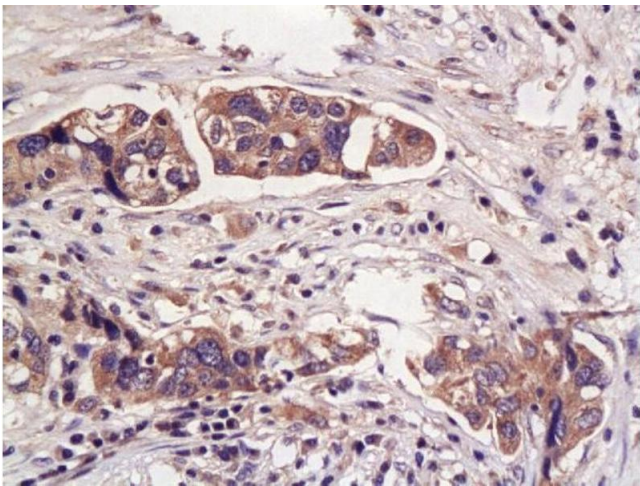
Product cited in: Kälisch, Pott, Takeda, Kumamoto, Möllmann, Canbay, Sitek, Baba: "Bathing in carbon dioxide-enriched water alters protein expression in keratinocytes of skin tissue in rats." in: **International journal of biometeorology**, (2016) ([PubMed](#)).

Images



SDS-PAGE

Image 1. L1 rat lung lysates L2 rat liver lysates probed with Anti Hpt/Haptoglobin Polyclonal Antibody, Unconjugated (ABIN734738) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 44kD. Observed band size: 38kD,44kD



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human endometrial carcinoma labeled with Anti- Hpt/Haptoglobin Polyclonal Antibody, Unconjugated (ABIN734738) at 1:200 followed by conjugation to the secondary antibody and DAB staining