

**HP alpha chain Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3662a****Specification**

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**HP alpha chain Antibody (internal region) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P00738</a>
Other Accession	<a href="#">NP_005134.1</a> , <a href="#">NP_001119574.1</a> , <a href="#">3240</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	45205

**HP alpha chain Antibody (internal region) - Additional Information****Gene ID** 3240**Other Names**

Haptoglobin, Zonulin, Haptoglobin alpha chain, Haptoglobin beta chain, HP

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HP alpha chain Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**HP alpha chain Antibody (internal region) - 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.

**HP alpha chain Antibody (internal region) - 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](#)

**HP alpha chain Antibody (internal region) - Images**

AF3662a (0.01 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**HP alpha chain Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP\_005134.1; NP\_001119574.1).

**HP alpha chain Antibody (internal region) - References**

Haptoglobin phenotype in women with preeclampsia. Sammour RN, Nakhoul FM, Levy AP, Miller-Lotan R, Nakhoul N, Awad HR, Gonen R, Ohel G. Endocrine. 2010 Oct;38(2):303-8. PMID: 20972727