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HP alpha chain Antibody (internal region)

Peptide-affinity purified goat antibody

Catalog # AF3662a

Specification

HP alpha chain Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	P00738
Other Accession	NP_005134.1, NP_001119574.1, 3240
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

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 Cytomety
- 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