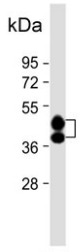
Haptoglobin Antibody / HP (F55010)

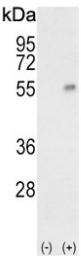
Catalog No.	Formulation	Size
F55010-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55010-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

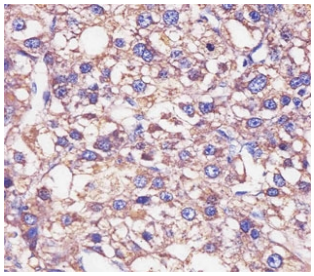
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P00738
Applications	Flow cytometry: 1:10-1:50 (1x10e6 cells) Western blot: 1:1000-1:2000 Immunohistochemistry (FFPE): 1:50-1:100
Limitations	This Haptoglobin antibody is available for research use only.



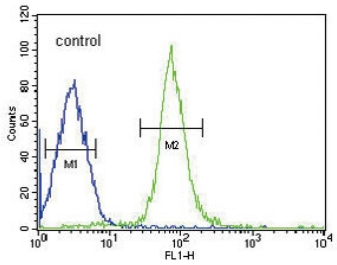
Western blot testing of human liver tissue lysate with Haptoglobin antibody. Predicted molecular weight: 45, 38 kDa (two isoforms).



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Haptoglobin antibody.



IHC testing of FFPE human hepatocellular carcinoma tissue with Haptoglobin antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HepG2 cells with Haptoglobin antibody; Blue=isotype control, Green= Haptoglobin antibody.

Description

HP is a preproprotein, which is processed to yield both alpha and beta chains, which subsequently combine as a tetramer to produce haptoglobin. Haptoglobin functions to bind free plasma hemoglobin, which allows degradative enzymes to gain access to the hemoglobin, while at the same time preventing loss of iron through the kidneys and protecting the kidneys from damage by hemoglobin. Mutations in this gene and/or its regulatory regions cause ahaptoglobinemia or hypohaptoglobinemia.

For an additional Protein Microarray Validated monoclonal antibody to haptoglobin, see our Haptoglobin Antibody HP/3835 / Haptoglobin Protein Antibody page.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Haptoglobin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 295-322 from the human protein was used as the immunogen for the Haptoglobin antibody.

Storage

Aliquot the Haptoglobin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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