

Haptoglobin Polyclonal Antibody

Catalog No: #42609

Orders: order@signalwayantibody.com

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Description

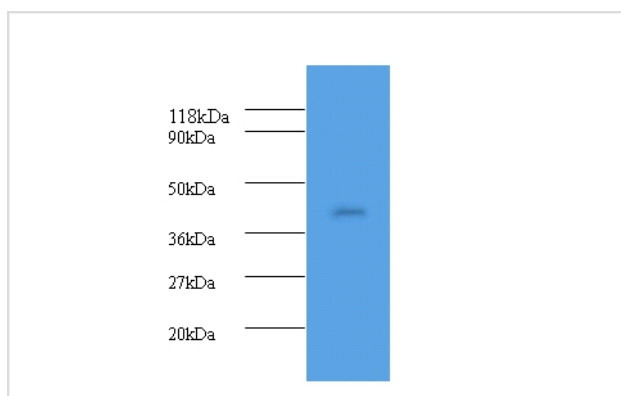
Product Name	Haptoglobin Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Ms Rt
Specificity	The antibody detects endogenous level of total Haptoglobin polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant rat Haptoglobin protein
Target Name	Haptoglobin
Other Names	Liver regeneration-related protein LRRG173, Zonulin, Hp, Ba1-647
Accession No.	Swiss-Prot#: P06866
Uniprot	P06866
GeneID	24464;
Calculated MW	39kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: □ 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

Images



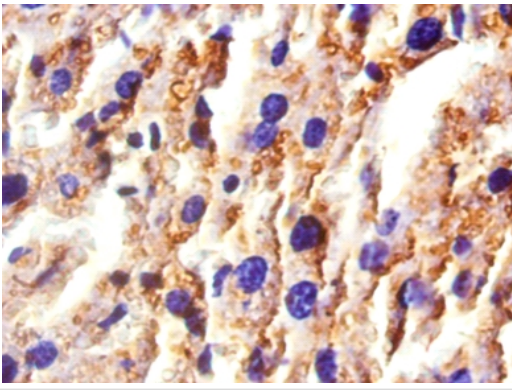
All lanes :Haptoglobin antibody at 2ug/ml+Rat live tissue

Secondary

Goat polyclonal to Rabbit IgG at 1/10000 dilution

Predicted band size :39kDa

Observed band size:39kDa



Immunohistochemical analysis of paraffin-embedded mouse liver using #42609 at dilution of 1:50.

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 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.

References

[1]"Structure, hormonal regulation, and identification of the interleukin-6- and dexamethasone-responsive element of the rat haptoglobin gene."Marinkovic S., Baumann H.Mol. Cell. Biol. 10:1573-1583(1990). [2]"Liver regeneration after PH."Xu C.S., Li W.Q.

Note: This product is for in vitro research use only