

Haptoglobin (9A7) Rabbit Monoclonal Antibody

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Catalog # AP93789

Product Information

Application	WB, IHC-P, IF
Primary Accession	Q61646
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	38752

Additional Information

Gene ID	15439
Other Names	Haptoglobin, Haptoglobin alpha chain, Haptoglobin beta chain, Hp
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200
Storage Conditions	-20°C

Protein Information

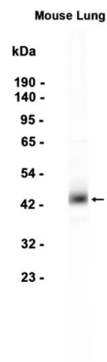
Name	Hp
Function	As a result of hemolysis, hemoglobin is found to accumulate in the kidney and is secreted in the urine. Haptoglobin captures, and combines with free plasma hemoglobin to allow hepatic recycling of heme iron and to prevent kidney damage. Haptoglobin also acts as an antioxidant, has antibacterial 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 (By similarity).
Cellular Location	Secreted.
Tissue Location	Expressed by the liver and secreted in plasma.

Background

This gene encodes a plasma glycoprotein called haptoglobin that binds free hemoglobin. The encoded preproprotein undergoes proteolytic processing to generate alpha and beta subunits that form a disulfide-linked tetrameric protein that plays an important role in the sequestration and clearance of extracorporeal hemoglobin. Mice lacking the encoded protein exhibit stunted development of lymphoid

organs associated with lower counts of mature T and B cells in the blood and secondary lymphoid compartments. [provided by RefSeq, Aug 2016]

Images



Western blot analysis of extracts from Mouse lung tissue using AP93789 at 1:1000.

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