

HP / Haptoglobin Antibody (clone 26E11)

Mouse Monoclonal Antibody Catalog # ALS14806

Specification

HP / Haptoglobin Antibody (clone 26E11) - Product Information

Application WB, IHC
Primary Accession P00738
Reactivity Human
Host Mouse
Clonality Monoclonal
Calculated MW 45kDa KDa

HP / Haptoglobin Antibody (clone 26E11) - Additional Information

Gene ID 3240

Other Names

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

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

HP / Haptoglobin Antibody (clone 26E11) is for research use only and not for use in diagnostic or therapeutic procedures.

HP / Haptoglobin Antibody (clone 26E11) - 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.

Volume

50 µl

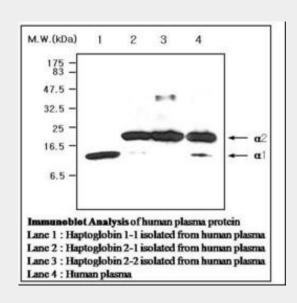


HP / Haptoglobin Antibody (clone 26E11) - Protocols

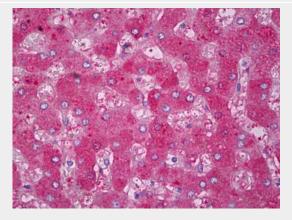
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

HP / Haptoglobin Antibody (clone 26E11) - Images



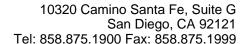
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Anti-Haptoglobin antibody IHC of human liver.

HP / Haptoglobin Antibody (clone 26E11) - 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 Antimicrobial; Antioxidant, has antibacterial activity and plays a role in modulating many aspects of the acute phase response.





Hemoglobin/haptoglobin complexes are rapidely cleared by the macrophage CD163 scavenger receptor expressed on the surface of liver Kupfer cells through an endocytic lysosomal degradation pathway.

HP / Haptoglobin Antibody (clone 26E11) - References

van der Straten A.,et al.EMBO J. 2:1003-1007(1983). Yang F.,et al.Proc. Natl. Acad. Sci. U.S.A. 80:5875-5879(1983). van der Straten A.,et al.FEBS Lett. 168:103-107(1984). Brune J.L.,et al.Nucleic Acids Res. 12:4531-4538(1984). Bensi G.,et al.EMBO J. 4:119-126(1985).