

Name: anti-HP mouse monoclonal antibody, clone UMAB10
Product Data Sheet - UltraMAB

Catalog: UM500010

Gene Name: Homo sapiens haptoglobin (HP), transcript variant 1
GeneBank accession: NM_005143
Isotype: IgG1

Reactivity: Human
Test application: WB
Clone Name: Clone UMAB10

Gene Synonym: BP; HP2ALPHA2; HPA1S

Guaranteed Applications: WB, IHC, 10K-CHIP

Suggested Dilutions: WB 1:500~2000,

Immunogen: Full length human recombinant protein of human HP (NP_005134) produced in HEK293T cell.

Components:

- anti-HP mouse monoclonal antibody, clone UMAB10 (UM500010)

Amount:

UM500010 100ul

Concentration: 0.5~1.0 mg/ml (Lot Dependent)

Storage Condition: Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Buffer: PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Purification:

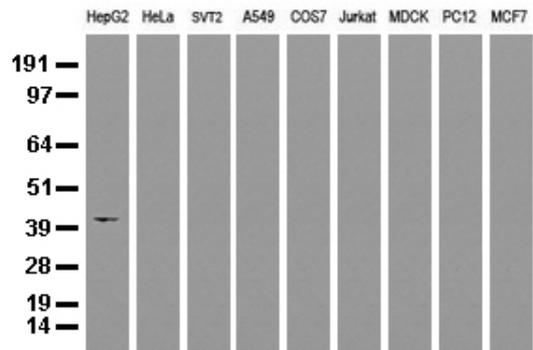
Purified from mouse ascites fluids by affinity chromatography

Background:

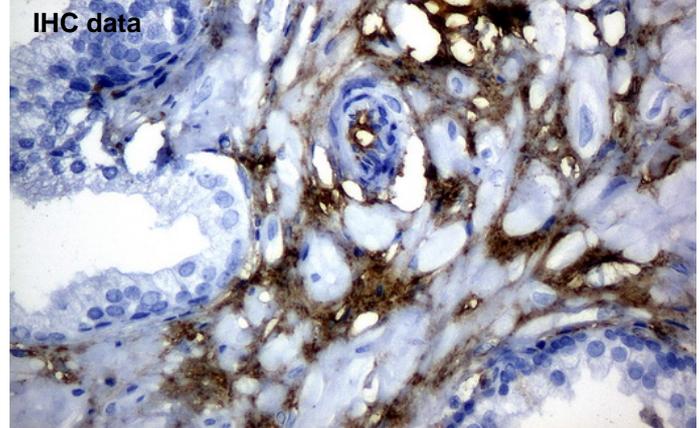
This gene encodes a preproprotein, which is processed to yield both alpha and beta chains, which subsequently combine as a tetramer to produce haptoglobin. Haptoglobin functions to bind free plasma hemoglobin, which allows degradative enzymes to gain access to the hemoglobin, while at the same time preventing 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. This gene has also been linked to diabetic nephropathy, the incidence of coronary artery disease in type 1 diabetes, Crohn's disease, inflammatory disease behavior, primary sclerosing cholangitis, susceptibility to idiopathic Parkinson's disease, and a reduced incidence of Plasmodium falciparum malaria. A similar duplicated gene is located next to this gene on chromosome 16. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

Validation Data:

Western Blot



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-HP monoclonal antibody (Clone UMAB10) at 1:500.



Immunohistochemical staining of paraffin-embedded Carcinoma of prostate tissue using anti-HPmouse monoclonal antibody. (Clone UMAB10, Dilution 1:100)

Related Product:

- TrueORF cDNA clones
- VERIFY Tagged Antigen lysates
- HuSH-29 shRNA
- Western Blot reagents
- Anti-myc/DDK tag antibodies

* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

* More validation images may be available on our website:

<http://www.origene.com/antibody/UM500010.aspx>

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.