

Rabbit anti-Human, mouse HP Polyclonal Antibody | anti-HP antibody

HP Antibody (Center)

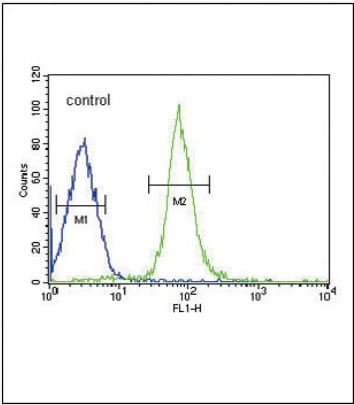
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289730	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

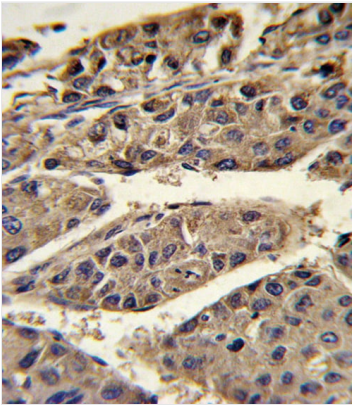
HP; Polyclonal Antibody; HP Antibody (Center); Haptoglobin; Zonulin; Haptoglobin alpha chain; Haptoglobin beta chain; anti-HP antibody

PRODUCT SPECIFICATIONS

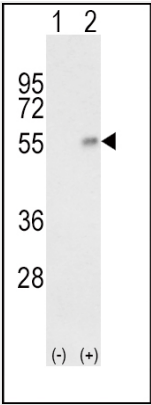
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 295-322 amino acids from the Central region of human HP.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	295-322
Sequence Length	347
Applicable Applications for anti-HP antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



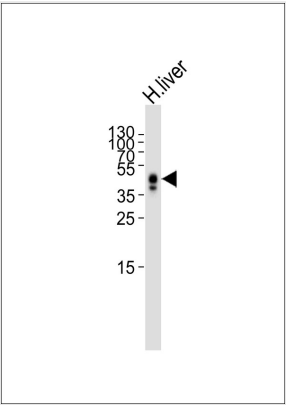
FCM/FACS (Flow Cytometry)
HP Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded mouse hepatocarcinoma reacted with HP Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of HP (arrow) using rabbit polyclonal HP Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the HP gene (Lane 2).



WB (Western Blot)
Western blot analysis of lysate from human liver tissue lysate, using HP Antibody (Center). AAA289730 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-HP antibody	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.
Product Categories/Family for anti-HP antibody	Crown Antibodies; Cardiovascular; Cell Biology; Signal Transduction
References	Ryndel,M., et.al., Clin. Chim. Acta 411 (7-8), 500-504 (2010) Igl,W., PLoS Genet. 6 (1), E1000798 (2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	186910296
NCBI GeneID	3240
NCBI Accession #	NP_001119574.1; NP_005134.1
NCBI GenBank Nucleotide #	NM_001126102.1
UniProt Accession #	P00738; P00737; Q0VAC4; Q0VAC5; Q2PP15; Q3B7J0; Q6LBY9; Q9UC67; B0AZL5

Molecular Weight	45205
NCBI Official Full Name	haptoglobin isoform 2 preproprotein
NCBI Official Synonym Full Names	haptoglobin
NCBI Official Symbol	HP
NCBI Official Synonym Symbols	BP; HPA1S; HP2ALPHA2
NCBI Protein Information	haptoglobin
UniProt Protein Name	Haptoglobin
UniProt Gene Name	HP
UniProt Entry Name	HPT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hp-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289730>