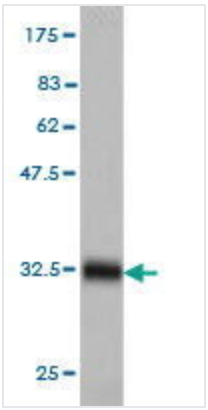
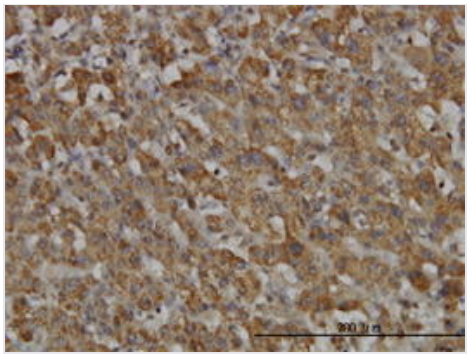
HAMP Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

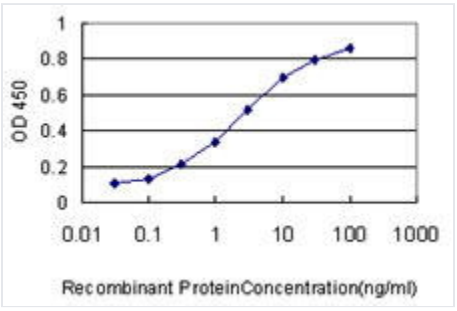
Product Name	HAMP, Monoclonal Antibody
Full Product Name	HAMP (Hepcidin, Liver-expressed Antimicrobial Peptide 1, LEAP-1, Putative Liver Tumor Regressor, PLTR, HEPC, LEAP1, UNQ487/PRO1003) (AP)
Product Gene Name	anti-HAMP antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1F9
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human HAMP.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	9,408 Da
Immunogen	Full length recombinant corresponding to aa25-85 from human HAMP (AAH20612) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SVFPQQTGQLAELQPQDRAGARASWMPMFQRRRRRDTHFPICIFCCGCCHRSKCGMCCKT
Conjugate	AP
Product Categories/Family for anti-HAMP antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-HAMP antibody	ELISA (EIA), Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-HAMP antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-HAMP antibody	MBS6131616 is an antibody targeting HAMP. Also known as HAMP (Hepcidin, Liver-expressed Antimicrobial Peptide 1, LEAP-1, Putative Liver Tumor Regressor, PLTR, HEPC, LEAP1, UNQ487/PRO1003) (AP). Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-HAMP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-HAMP antibody
Western Blot detection against Immunogen (32.71kD).



Immunohistochemistry (IHC) of anti-HAMP antibody
Immunoperoxidase of monoclonal antibody to HAMP on formalin-fixed paraffin-embedded human liver. [antibody concentration 3ug/ml].



Testing Data of anti-HAMP antibody
Detection limit for recombinant GST tagged HAMP is ~0.03ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HAMP. It may not necessarily be applicable to this product.

NCBI GI #	18088844
NCBI GeneID	57817
NCBI Accession #	BC020612
NCBI Related Accession #	AAH20612
UniProt Secondary Accession #	Q1HE14; Q9BY68
UniProt Related Accession #	P81172
NCBI Official Full Name	Homo sapiens hepcidin antimicrobial peptide, mRNA
NCBI Official Synonym Full Names	hepcidin antimicrobial peptide
NCBI Official Symbol	HAMP
NCBI Official Synonym Symbols	HEPC; PLTR; HFE2B; LEAP1
Protein Family	Hepcidin
NCBI Protein Information	hepcidin
NCBI Summary for HAMP	The product encoded by this gene is involved in the maintenance of iron homeostasis, and it is necessary for the regulation of iron storage in macrophages, and for intestinal iron absorption. The preproprotein is post-translationally cleaved into mature peptides of 20, 22 and 25 amino acids, and these active peptides are rich in cysteines, which form intramolecular bonds that stabilize their beta-sheet structures. These peptides exhibit antimicrobial activity against bacteria and fungi. Mutations in this gene cause hemochromatosis type 2B, also known as juvenile hemochromatosis, a disease caused by severe iron overload that results in cardiomyopathy, cirrhosis, and endocrine failure. [provided by RefSeq, Oct 2014]

Research Articles on HAMP	**1.** The serum hepcidin, ferritin, alanine transaminase, aspartate transaminase, gamma-glutamyltransferase and bilirubin were examined in two independent Chinese cohorts consisted of 3455 individuals.
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