

Product datasheet for **AM21007PU-N**

HEPC (HAMP) (25-85) Mouse Monoclonal Antibody [Clone ID: 1F9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1F9
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HAMP (AAH20612, 25 a.a. ~ 85 a.a) full length recombinant protein with GST tag.
Specificity:	This antibody recognizes Hepcidin Antimicrobial Peptide (HAMP) aa 25-85.
Formulation:	PBS, pH 7.4 State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	hepcidin antimicrobial peptide
Database Link:	Entrez Gene 57817 Human P81172



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Background:

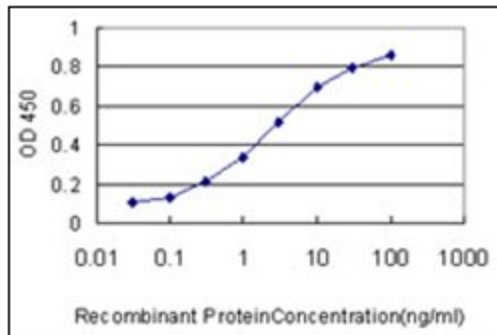
Hepcidin, an human antimicrobial peptide, contains a leader sequence, a proteolysis site and a C-terminal 25 amino acid active peptide. This peptide is most active against gram-positive bacteria, but also inhibits the growth of certain yeast and gram-negative bacteria. HAMP also functions as a signaling molecule involved in the maintenance of iron homeostasis. In conjugation with HFE it seems to regulate both intestinal iron absorption and iron storage in macrophages. Mutations in HAMP are found in juvenile hemochromatosis.

Synonyms:

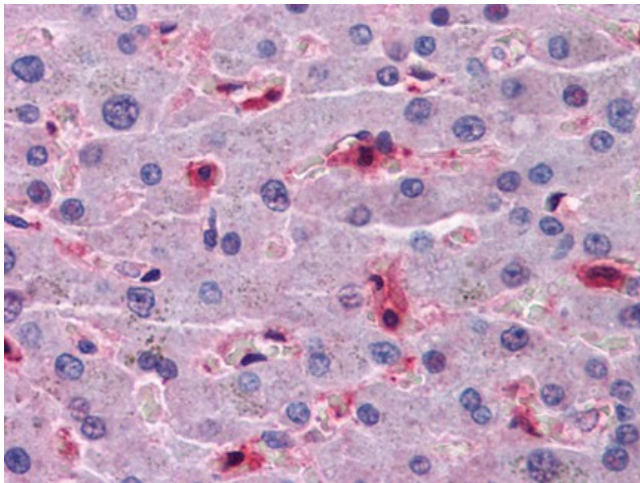
LEAP-1, HEPC, LEAP1, PLTR

Protein Families:

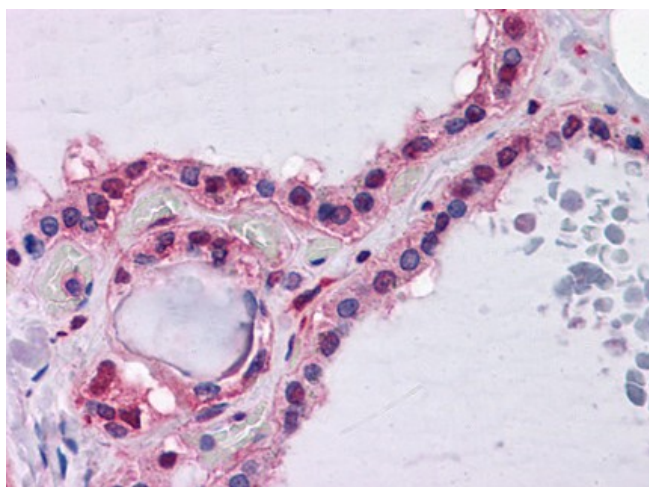
Secreted Protein, Transmembrane

Product images:


Detection limit for recombinant GST tagged HAMP is approximately 0.03 ng/ml as a capture antibody.



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Thyroid: Formalin-Fixed, Paraffin-Embedded (FFPE)