

# HAMP rabbit monoclonal antibody

Catalog # H00057817-K      Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human HAMP peptide using ARM Technology.
Immunogen	A synthetic peptide of human HAMP is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HAMP peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — HAMP

Entrez GeneID [57817](#)

GeneBank Accession# [HAMP](#)

Gene Name HAMP

Gene Alias HEPC, HEPCIDIN, HFE2B, LEAP-1, LEAP1, PLTR

Gene Description hepcidin antimicrobial peptide

Omim ID [602390 606464](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. 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]

**Other Designations** liver-expressed antimicrobial peptide|putative liver tumor regressor

## Disease

- [Abortion](#)
- [beta-Thalassemia](#)
- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hereditary hemochromatosis](#)
- [Iron Metabolism Disorders](#)
- [Iron Overload](#)

- [Pregnancy Complications](#)