



Anti-HAMP (full length) polyclonal antibody (DPAB-DC2615)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	HAMP (AAH20612, 25 a.a. ~ 84 a.a) full-length recombinant protein with GST tag. The sequence is SVFPQQTGQLAELQPQDRAGARASWMPMFQRRRRRDTHFPICIFCCGCCHRSKCGMCCKT
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	HAMP hepcidin antimicrobial peptide [Homo sapiens (human)]
Official Symbol	HAMP
Synonyms	HAMP; hepcidin antimicrobial peptide; HEPC; PLTR; HFE2B; LEAP1; hepcidin; putative liver tumor regressor; liver-expressed antimicrobial peptide 1;
Entrez Gene ID	57817
Protein Refseq	NP_066998
UniProt ID	P81172
Chromosome Location	19q13.1
Pathway	Iron metabolism in placenta;
Function	hormone activity;