

Product datasheet for **TA360482**

HEPC (HAMP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HAMP
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	9 kDa
Gene Name:	hepcidin antimicrobial peptide
Database Link:	NP_066998.1 Entrez Gene 57817 Human P81172



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Background:

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.

Synonyms:

HEPC; HEPCIDIN; HFE2; HFE2B; LEAP-1; LEAP1; PLTR

Protein Families:

Secreted Protein, Transmembrane

Product images:

Host: Rabbit
Target Name: HEPC
Sample Type: Ovary Tumor Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: HAMP
Sample Tissue: Human Ovary Tumor
Antibody Dilution: 1.0ug/ml