SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-Hepcidin-25 antibody

SL8870R

Product Name:	Hepcidin-25
Chinese Name:	铁调节蛋白/铁调素抗体
Alias:	Hamp; HEPC; HEPC_RAT; HEPC_MOUSE; Hepc20; Hepc25; HEPCIDIN; Hepcidin; Hepcidin 20; Hepcidin 25; Hepcidin antimicrobial peptide; Hepcidin-20; Hepcidin25; HFE2; HFE2B; LEAP 1; LEAP-1; LEAP1; Liver expressed antimicrobial peptide; Liver-expressed antimicrobial peptide 1; PLTR; Putative liver tumor regressor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	2kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from rat Hepcidin:60-84/84
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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, Jul 2008].

Subcellular Location:
Secreted.

Tissue Specificity:
Highest expression in liver and to a lesser extent in heart and brain. Low levels in lung, tonsils, salivary gland, trachea, prostate gland, adrenal gland and thyroid gland. Secreted into the urine.

DISEASE:
Defects in HAMP are the cause of hemochromatosis type 2B (HFE2B) [MIM:613313]; also known as juvenile hemochromatosis (JH). HFE2B is a disorder of iron metabolism with excess deposition of iron in the tissues, bronze skin pigmentation, hepatic cirrhosis, arthropathy and diabetes. The most common symptoms of hemochromatosis type 2 at presentation are hypogonadism and cardiomyopathy.

Similarity:
Belongs to the hepcidin family.

SWISS:
Q99MH3

Gene ID:
84604

Database links:

Entrez Gene: 57817Human

Entrez Gene: 84506Mouse

Entrez Gene: 84604Rat

Omim: 606464Human

SwissProt: P81172Human

SwissProt: Q9EQ21Mouse

SwissProt: Q99MH3Rat

Unigene: 8821Human

Unigene: 7865Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.