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Anti-HAMP / Hepcidin Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17322

Product Information

Application	WB, IHC-P
Primary Accession	P81172
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	9408

Additional Information

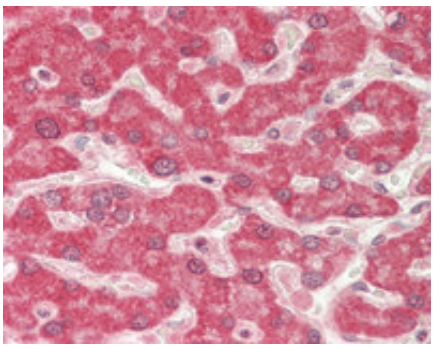
Gene ID	57817
Alias Symbol	HAMP
Other Names	HAMP, Hepcidin antimicrobial peptide, LEAP-1, LEAP1, HEPC, Hepcidin, HFE2B, PLTR, Putative liver tumor regressor
Target/Specificity	Human HAMP / Hepcidin
Reconstitution & Storage	PBS, 0.1% sodium azide, 50% glycerol Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Precautions	Anti-HAMP / Hepcidin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HAMP (HGNC:15598)
Synonyms	HEPC, LEAP1
Function	Liver-produced hormone that constitutes the main circulating regulator of iron absorption and distribution across tissues. Acts by promoting endocytosis and degradation of ferroportin/SLC40A1, leading to the retention of iron in iron-exporting cells and decreased flow of iron into plasma (PubMed:22682227, PubMed:29237594, PubMed:32814342). Controls the major flows of iron into plasma: absorption of dietary iron in the intestine, recycling of iron by macrophages, which phagocytose old erythrocytes and other cells, and mobilization of stored iron from hepatocytes (PubMed:22306005).
Cellular Location	Secreted. Highest expression in liver and to a lesser extent in heart and brain. Low

Tissue Location	levels in lung, tonsils, salivary gland, trachea, prostate gland, adrenal gland and thyroid gland. Secreted into the urine and blood (PubMed:11034317). Expressed by hepatocytes (PubMed:15124018).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.