

**Anti-Hepcidin / HAMP Reference Antibody (Ludwig-Maximilians U. anti_Hepsin)
Recombinant Antibody
Catalog # APR10930****Specification****Anti-Hepcidin / HAMP Reference Antibody (Ludwig-Maximilians U. anti_Hepsin) - Product Information**

Application	FC, Kinetics, Animal Model
Primary Accession	P81172
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

Anti-Hepcidin / HAMP Reference Antibody (Ludwig-Maximilians U. anti_Hepsin) - Additional Information**Target/Specificity**

Hepcidin / HAMP

Endotoxin

< 0.001EU/ µg,determined by LAL method.

Conjugation

Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-Hepcidin / HAMP Reference Antibody (Ludwig-Maximilians U. anti_Hepsin) - 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.

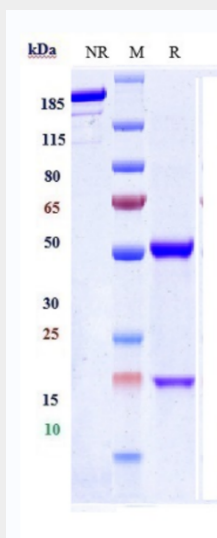
Tissue Location
Highest expression in liver and to a lesser extent in heart and brain. Low levels in lung, tonsils, salivary gland, trachea, prostate gland, adrenal gland and thyroid gland. Secreted into the urine and blood (PubMed:11034317). Expressed by hepatocytes (PubMed:15124018).

Anti-Hepcidin / HAMP Reference Antibody (Ludwig-Maximilians U. anti_Hepsin) - Protocols

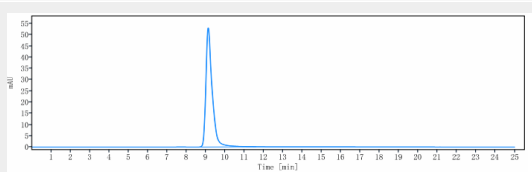
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Hepcidin / HAMP Reference Antibody (Ludwig-Maximilians U. anti_Hepsin) - Images



Anti-Hepcidin / HAMP Reference Antibody (Ludwig-Maximilians U. anti_Hepsin) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-Hepcidin / HAMP Reference Antibody (Ludwig-Maximilians U. anti_Hepsin) is more than 95% ,determined by SEC-HPLC.