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Anti-Hepcidin HAMP Rabbit Monoclonal Antibody

Catalog # ABO13945

Specification

Anti-Hepcidin HAMP Rabbit Monoclonal Antibody - Product Information

Application	**WB**
Primary Accession	P81172
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Human**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-Hepcidin HAMP Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Rat.

Anti-Hepcidin HAMP Rabbit Monoclonal Antibody - Additional Information

Gene ID 57817

Other Names
Hepcidin, Liver-expressed antimicrobial peptide 1, LEAP-1, Putative liver tumor regressor, PLTR, Hepcidin-25, Hepc25, Hepcidin-20, Hepc20, HAMP (HGNC:15598), HEPC, LEAP1

Calculated MW
9408 MW KDa

Application Details
WB 1:500-1:2000

Subcellular Localization
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..

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human Hepcidin

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-Hepcidin HAMP Rabbit Monoclonal Antibody - 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 Rabbit Monoclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Hepcidin HAMP Rabbit Monoclonal Antibody - Images

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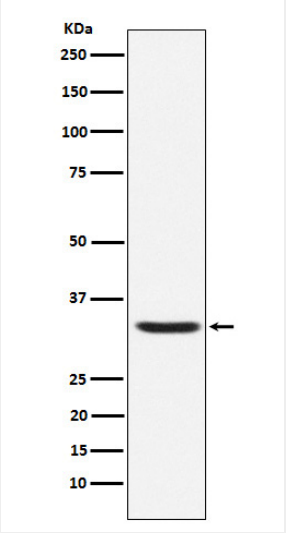

Western blot analysis of Hepcidin expression in Human Hepcidin Full-length Recombinant Protein (GFP Tagged).