

# Hepcidin Rabbit pAb

Catalog No.: A1601

## Basic Information

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### Observed MW

10kDa

### Calculated MW

9kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse

## Background

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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.

## Recommended Dilutions

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**WB** 1:500 - 1:2000

## Immunogen Information

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### Gene ID

57817

### Swiss Prot

P81172

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-84 of human Hepcidin (NP\_066998.1).

### Synonyms

HEPC; PLTR; HFE2B; LEAP1; Hepcidin

## Contact

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 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

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### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

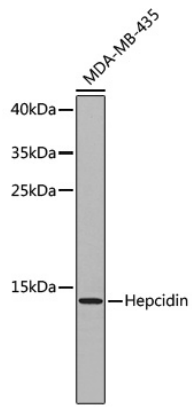
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of extracts of MDA-MB-435 cells, using Hepcidin antibody (A1601).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.