

Anti-HAMP Antibody (6Z883)

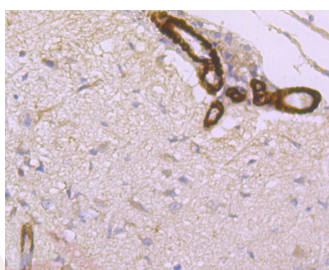
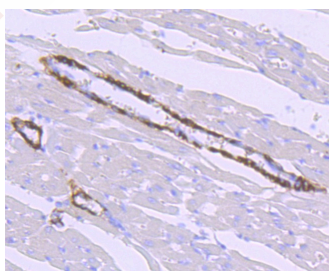
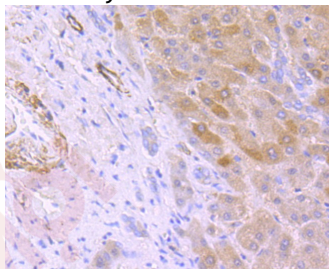
Product Details

Ig Type:	IgG
Reactivity:	Human,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 3 kDa.
Clone:	6Z883
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Hepcidin antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded rat heart tissue using anti-Hepcidin antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Hepcidin antibody. Counter stained with hematoxylin.



Application: IHC,WB

Recommended WB: 1:500-1000; IHC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P81172

Synonyms: LEAP1;HEPC;Putative liver tumor regressor;Liver-expressed antimicrobial peptide 1

Research Background

Hepcidin, also known as HAMP, HEPC, LEAP1 or HFE2B, is an 84 amino acid secreted protein that regulates iron-related signaling events. Highly expressed in liver with lower expression in heart, brain, lung, prostate and thyroid, hepcidin is thought to maintain iron homeostasis and, in conjunction with the HFE protein (a protein that is defective in hereditary hemochromatosis), may mediate both iron storage in macrophages and intestinal iron absorption. Additionally, hepcidin has strong antimicrobial activity against gram-positive and gram-negative bacteria, as well as certain yeast strains, suggesting that hepcidin may play a crucial role in staving off bacterial infections. Defects in the gene encoding hepcidin are the cause of hemochromatosis type 2B (also known as juvenile hemochromatosis), an early-onset autosomal recessive disorder that results in severe iron overload and is characterized by hepatic fibrosis, hypogonadotropic hypogonadism and cardiomyopathy.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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