

For Research Use Only

HAMP Polyclonal antibody

Catalog Number: 26237-1-AP



Basic Information

Catalog Number:

26237-1-AP

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24065

GenBank Accession Number:

BC020612

GeneID (NCBI):

57817

UNIPROT ID:

P81172

Full Name:

hepcidin antimicrobial peptide

Calculated MW:

9 kDa

Observed MW:

12 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:200-1:1000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : HepG2 cells,

IP : HepG2 cells,

Background Information

Hepcidin (HAMP) is a liver-produced hormone that constitutes the main circulating regulator of iron absorption and distribution across tissues. It 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 (PMID: 22682227; 29237594; 32814342). Hepcidin is an 84-amino acid prepropeptide, and is usually cleaved into three peptide types, hepcidin-20, hepcidin-22, and hepcidin-25, of which hepcidin-25 is the active form and plays important roles in regulating functional iron deficiency (PMID: 34262329).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

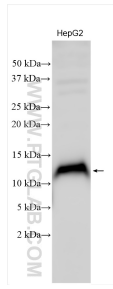
T: 4006900926

E: Proteintech-CN@ptglab.com

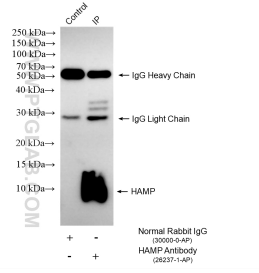
W: ptgcn.com

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Selected Validation Data



HepG2 cells lysate was subjected to SDS PAGE followed by western blot with 26237-1-AP (HAMP antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



IP result of anti-HAMP (IP:26237-1-AP, 4ug; Detection:26237-1-AP 1:500) with HepG2 cells lysate 1480 ug.