

For Research Use Only

# HAMP Polyclonal antibody

Catalog Number: 26237-1-AP



## Basic Information

<b>Catalog Number:</b> 26237-1-AP	<b>GenBank Accession Number:</b> BC020612	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57817	<b>Recommended Dilutions:</b> WB: 1:200-1:1000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P81172	
<b>Isotype:</b> IgG	<b>Full Name:</b> hepcidin antimicrobial peptide	
<b>Immunogen Catalog Number:</b> AG24065	<b>Calculated MW:</b> 9 kDa	
	<b>Observed MW:</b> 12 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HepG2 cells, <b>IP :</b> 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**

**\*\*\* 20ul sizes contain 0.1% BSA**

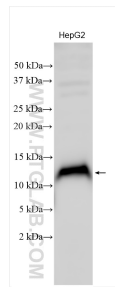
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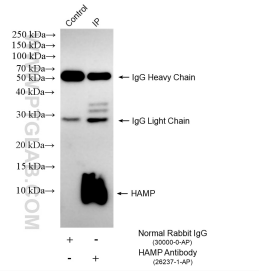
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## Selected Validation Data



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.