

# Anti-Hepcidin-25 antibody [EPR18074] - BSA and Azide free ab238974

Recombinant RabMAb

3 Images

### Overview

<b>Product name</b>	Anti-Hepcidin-25 antibody [EPR18074] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR18074] to Hepcidin-25 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Human plasma, serum and liver lysate, Rat serum.
<b>General notes</b>	<p>ab238974 is the carrier-free version of <a href="#">ab187778</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <a href="#">conjugation kits</a> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

## Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR18074
Isotype	IgG

## Applications

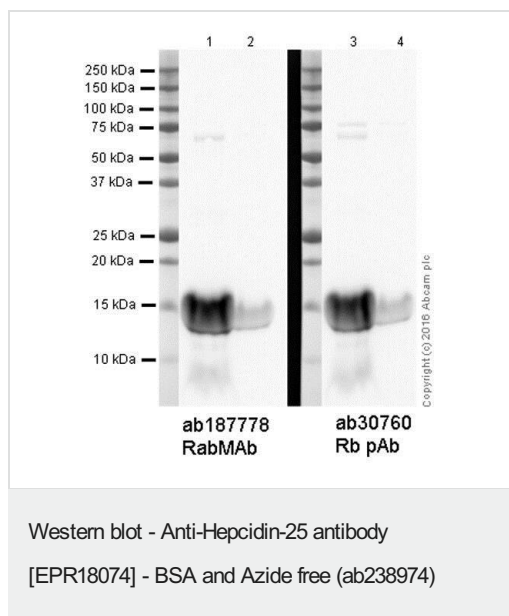
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab238974 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 9, 3 kDa (predicted molecular weight: 9 kDa).

## Target

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, leading to the retention of iron in iron-exporting cells and decreased flow of iron into plasma. 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). Has strong antimicrobial activity against E.coli ML35P N.cinerea and weaker against S.epidermidis, S.aureus and group b streptococcus bacteria. Active against the fungus C.albicans. No activity against P.aeruginosa (PubMed:11113131, PubMed:11034317).
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.
Involvement in disease	Hemochromatosis 2B
Sequence similarities	Belongs to the hepcidin family.
Cellular localization	Secreted.
Form	Hepcidin produces a propeptide of 84 amino acids that undergoes enzymatic cleavage into mature peptides of 20, 22, and 25 amino acids. Active peptides are rich in cysteines that form intramolecular bonds and stabilize the beta-sheet structure

## Images



**Lanes 1-2 :** Anti-Hepcidin-25 antibody [EPR18074] ([ab187778](#)) at 1/1000 dilution

**Lanes 3-4 :** Anti-Hepcidin-25 antibody ([ab30760](#)) at 1/1000 dilution

**Lanes 1 & 3 :** Serum from rat treated with LPS at 30 µg

**Lanes 2 & 4 :** Serum from rat treated with LPS at 10 µg

## Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP), preadsorbed at 1/50000 dilution

**Predicted band size:** 9 kDa

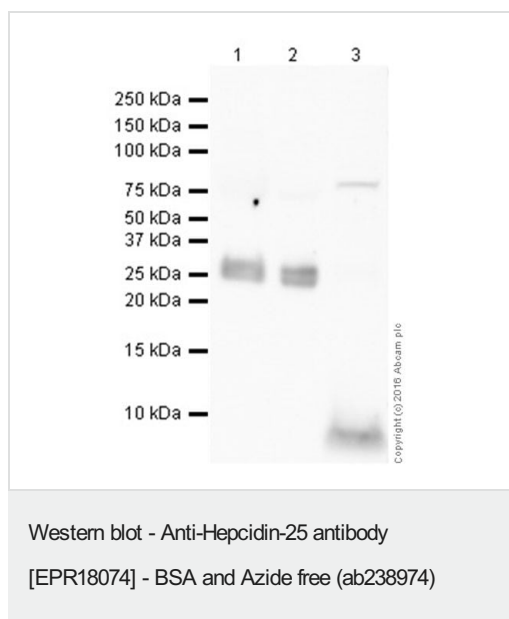
**Exposure time:** 3 minutes

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab187778](#)).

Blocking buffer: 5% NFDM/TBST.

Dilution buffer: 1% NFDM/TBST.

[ab187778](#) has similar reactivity to rabbit polyclonal [ab30760](#).



**All lanes :** Anti-Hepcidin-25 antibody [EPR18074] ([ab187778](#)) at 1/1000 dilution

**Lane 1 :** Human plasma

**Lane 2 :** Human serum

**Lane 3 :** Human liver lysate

Lysates/proteins at 20 µg per lane.

## Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP), preadsorbed at 1/50000 dilution

**Predicted band size:** 9 kDa

**Observed band size:** 3 kDa

Blocking buffer: 5% NFDM/TBST.

Dilution buffer: 1% NFDM/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab187778**).

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Hepcidin-25 antibody [EPR18074] - BSA and Azide free (ab238974)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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