

Product datasheet

Anti-Hepsin/HPN antibody [EP7654] α b189246

Recombinant RabMAb

[3 References](#) [3 Images](#)

Overview

Product name	Anti-Hepsin/HPN antibody [EP7654]
Description	Rabbit monoclonal [EP7654] to Hepsin/HPN
Host species	Rabbit
Specificity	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt (Intra)
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human, mouse and rat liver and kidney tissue lysates. IHC-P: Human liver and stomach tissues.
General notes	<p>This product has switched from a hybridoma to recombinant production method on 24th October 2023.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP7654
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab189246 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

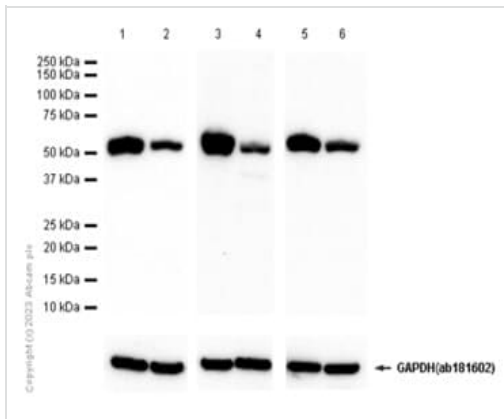
Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 51 kDa (predicted molecular weight: 45 kDa).
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.

Application notes Is unsuitable for Flow Cyt (Intra).

Target

Function	Plays an essential role in cell growth and maintenance of cell morphology.
Tissue specificity	Present in most tissues, with the highest level in liver.
Sequence similarities	Belongs to the peptidase S1 family. Contains 1 peptidase S1 domain. Contains 1 SRCR domain.
Cellular localization	Membrane.

Images



Western blot - Anti-Hepsin/HPN antibody [EP7654] (ab189246)

All lanes : Anti-Hepsin/HPN antibody [EP7654] (ab189246) at 1/1000 dilution

Lane 1 : Human liver lysate

Lane 2 : Human kidney lysate

Lane 3 : Mouse liver lysate

Lane 4 : Mouse kidney lysate

Lane 5 : Rat liver lysate

Lane 6 : Rat kidney lysate

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG

Developed using the ECL technique.

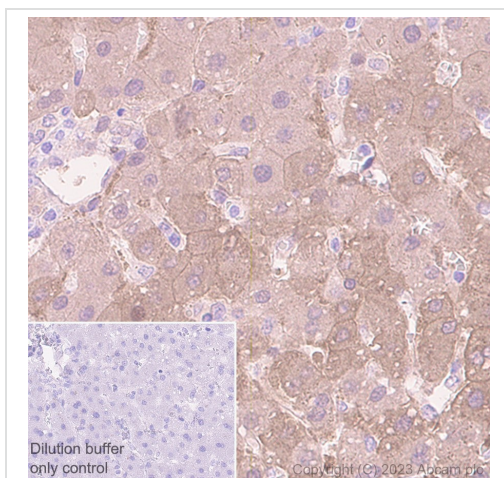
Performed under reducing conditions.

Predicted band size: 45 kDa

Observed band size: 52 kDa

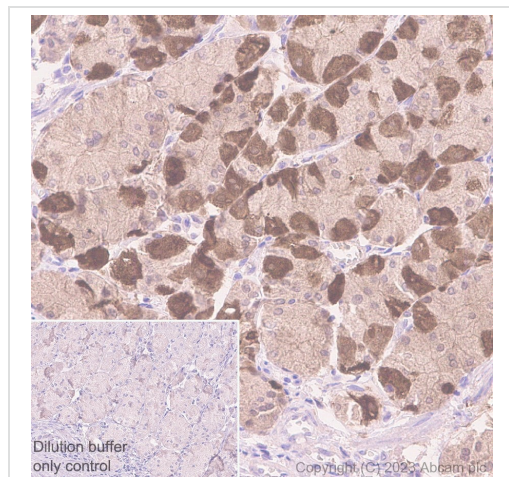
Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Exposure time: Lanes 1 and 2: 20 seconds; Lanes 3 and 4: 120 seconds; Lanes 5 and 6: 80 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hepsin/HPN antibody [EP7654] (ab189246)

Immunohistochemistry analysis of paraffin-embedded Human liver tissue sections labelling Hepsin/HPN with ab189246 at 1/1000 dilution. The section was incubated with ab189246 at 4°C overnight. Ready to use Goat Anti-Rabbit IgG H&L (HRP polymer) was used as the secondary antibody. Sections were counterstained with Hematoxylin. Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0). Cytoplasmic staining on human liver tissue.



Immunohistochemistry analysis of paraffin-embedded Human stomach tissue sections labelling Hepsin/HPN with ab189246 at 1/1000 dilution. The section was incubated with ab189246 at 4°C overnight. Ready to use Goat Anti-Rabbit IgG H&L (HRP polymer) was used as the secondary antibody. Sections were counterstained with Hematoxylin. Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0). Cytoplasmic staining on human stomach tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hepsin/HPN antibody [EP7654] (ab189246)

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