Anti-Hepsin/HPN antibody [EP7654] ab189246

**Overview**

**Product name**  
Anti-Hepsin/HPN antibody [EP7654]

**Description**  
Rabbit monoclonal [EP7654] to Hepsin/HPN

**Host species**  
Rabbit

**Tested applications**  
Suitable for: WB

**Species reactivity**  
Reacts with: Mouse, Rat, Human

**Immunogen**  
Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

**Positive control**  
HepG2, HeLa, PC-3, Human fetal liver, C6 and Raw 264.7 cell lysates.

**General notes**  
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As.

**Properties**

**Form**  
Liquid

**Storage instructions**  

**Storage buffer**  
pH: 7.2  
Preservative: 0.01% Sodium azide  
Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA

**Purity**  
Protein A purified

**Clonality**  
Monoclonal

**Clone number**  
EP7654

**Isotype**  
IgG
**Applications**

The 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.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/1000 - 1/2000. Detects a band of approximately 51 kDa (predicted molecular weight: 45 kDa).</td>
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**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**

All lanes: Anti-Hepsin/HPN antibody [EP7654] (ab189246) at 1/5000 dilution

Lane 1: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 2: PC-3 (Human prostate adenocarcinoma epithelial cell) whole cell lysates

Lane 3: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lysates/proteins at 20 µg per lane.

**Secondary**

All lanes: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 45 kDa

Observed band size: 51 kDa

Exposure time: 180 seconds
Blocking/diluting buffer and concentration: 5% NFDM/TBST

Hepsin is abundantly expressed in HepG2 cells which is consistent with PMID: 1885621 and PMID: 8346233

Anti-Hepsin/HPN antibody [EP7654] (ab189246) at 1/1000 dilution + Human fetal liver at 10 µg

Secondary
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 45 kDa

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

Lane 1: C6 cell lysate
Lane 2: Raw 264.7 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 45 kDa

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

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