

**HPN / TMPRSS1 / Hepsin Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS14692****Specification**

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**HPN / TMPRSS1 / Hepsin Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">P05981</a>
Reactivity	Human, Rabbit, Monkey, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45kDa KDa

**HPN / TMPRSS1 / Hepsin Antibody - Additional Information****Gene ID** 3249**Other Names**

Serine protease hepsin, 3.4.21.106, Transmembrane protease serine 1, Serine protease hepsin non-catalytic chain, Serine protease hepsin catalytic chain, HPN, TMPRSS1

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

HPN / TMPRSS1 / Hepsin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**HPN / TMPRSS1 / Hepsin Antibody - Protein Information****Name** HPN**Synonyms** TMPRSS1**Function**

Serine protease that cleaves extracellular substrates, and contributes to the proteolytic processing of growth factors, such as HGF and MST1/HGFL (PubMed: [15839837](http://www.uniprot.org/citations/15839837), PubMed: [21875933](http://www.uniprot.org/citations/21875933)). Plays a role in cell growth and maintenance of cell morphology (PubMed: [21875933](http://www.uniprot.org/citations/21875933), PubMed: [8346233](http://www.uniprot.org/citations/8346233)). Plays a role in the proteolytic processing of ACE2 (PubMed: [24227843](http://www.uniprot.org/citations/24227843)). Mediates the proteolytic cleavage of urinary UMOD that is required for UMOD polymerization (PubMed: [26673890](http://www.uniprot.org/citations/26673890)).

**Cellular Location**

Cell membrane; Single-pass type II membrane protein Apical cell membrane; Single-pass type II membrane protein

**Tissue Location**

Detected in liver and kidney.

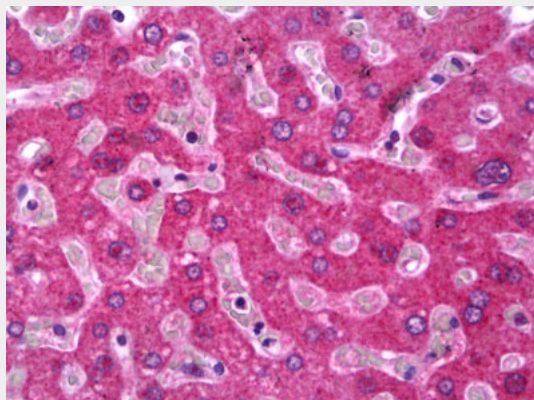
**Volume**

100  $\mu$ l

**HPN / TMPRSS1 / Hepsin Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**HPN / TMPRSS1 / Hepsin Antibody - Images**

Anti-HPN / Hepsin antibody IHC of human liver.

**HPN / TMPRSS1 / Hepsin Antibody - Background**

Plays an essential role in cell growth and maintenance of cell morphology. May mediate the activating cleavage of HGF and MST1/HGFL. Plays a role in the proteolytic processing of ACE2.

**HPN / TMPRSS1 / Hepsin Antibody - References**

- Leytus S.P., et al. *Biochemistry* 27:1067-1074(1988).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Tsuji A., et al. *J. Biol. Chem.* 266:16948-16953(1991).  
Torres-Rosado A., et al. *Proc. Natl. Acad. Sci. U.S.A.* 90:7181-7185(1993).  
Chen R., et al. *J. Proteome Res.* 8:651-661(2009).