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HPN Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21383c

Specification

HPN Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P05981
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**45011**

HPN Antibody (Center) - Additional Information

Gene ID 3249

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

Target/Specificity
This HPN antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 153-188 amino acids from the Central region of human HPN.

Dilution
WB~~1:2000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HPN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HPN Antibody (Center) - 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, PubMed:21875933). Plays a role in cell growth and maintenance of cell morphology (PubMed:21875933, PubMed:8346233). Plays a role in the proteolytic processing of ACE2 (PubMed:24227843). Mediates the proteolytic cleavage of urinary UMOD that is required for UMOD polymerization (PubMed:26673890).

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

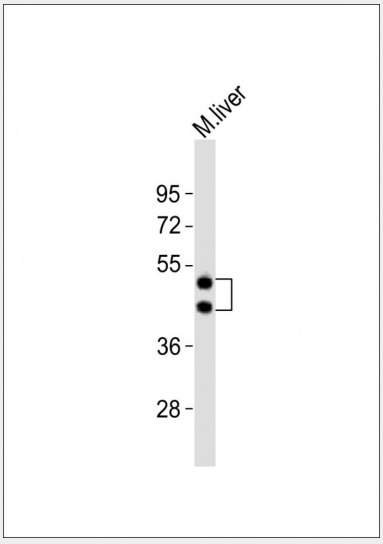
Tissue Location
Detected in liver and kidney.

HPN Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HPN Antibody (Center) - Images



Anti-HPN Antibody (Center)at 1:2000 dilution + mouse liver lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 45 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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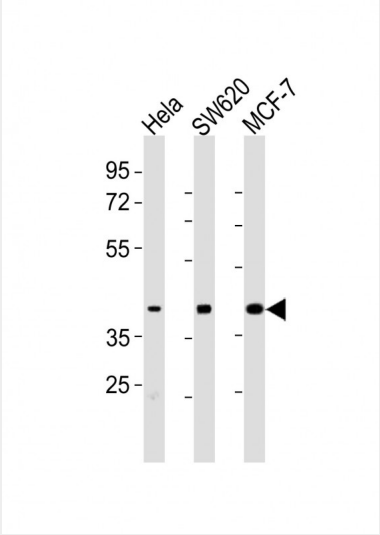

All lanes : Anti-HPN Antibody (Center) at 1:2000 dilution Lane 1: Hela whole cell lysates Lane 2: SW620 whole cell lysates Lane 3: MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 45 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

HPN Antibody (Center) - 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 Antibody (Center) - References

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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).