

Rabbit HPN Polyclonal Antibody | anti-HPN antibody

HPN Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234573	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

HPN; Polyclonal Antibody; HPN Antibody; Serine protease hepsin; Transmembrane protease serine 1; Serine protease hepsin non-catalytic chain; Serine protease hepsin catalytic chain; TMPRSS1; anti-HPN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	417
Applicable Applications for anti-HPN antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Serine protease hepsin protein (294-413AA)
Immunogen Species	Homo Sapiens (Human)
Research Area	Cell Biology
Target Names	HPN
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunofluorescence staining of MCF-7 cells with AAA234573 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234573 diluted at 1:400 and staining in paraffin-embedded human pancreatic tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: MCF-7 whole cell lysate, PC3 whole cell lysate, Rat kidney tissue, Mouse liver tissueAll lanes: HPN antibody at 4.5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 46 KDaObserved band size: 46 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-HPN antibody	Serine protease that cleaves extracellular substrates, and contributes to the proteolytic processing of growth factors, such as HGF and MST1/HGFL (PubMed:21875933, PubMed:15839837). Plays a role in cell growth and maintenance of cell morphology (PubMed:8346233, PubMed:21875933). 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).
Product Categories/Family for anti-HPN antibody	Cancer; Cell biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504481
NCBI GeneID	3249
NCBI Accession #	NP_002142.1
NCBI GenBank Nucleotide #	NM_002151.2
UniProt Accession #	P05981; B2RDS4
NCBI Official Full Name	serine protease hepsin
NCBI Official Synonym Full Names	hepsin
NCBI Official Symbol	HPN
NCBI Official Synonym Symbols	TMPRSS1
NCBI Protein Information	serine protease hepsin
UniProt Protein Name	Serine protease hepsin
UniProt Gene Name	HPN
UniProt Synonym Gene Names	TMPRSS1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hpn-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/234573>