

TMPRSS11D Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21729a**Specification**

TMPRSS11D Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	O60235
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	46263

TMPRSS11D Antibody (N-Term) - Additional Information**Gene ID** 9407**Other Names**

Transmembrane protease serine 11D, 3421-, Airway trypsin-like protease, Transmembrane protease serine 11D non-catalytic chain, Transmembrane protease serine 11D catalytic chain, TMPRSS11D, HAT

Target/Specificity

This TMPRSS11D antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 84-119 amino acids from human TMPRSS11D.

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

TMPRSS11D Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

TMPRSS11D Antibody (N-Term) - Protein Information**Name** TMPRSS11D**Synonyms** HAT

Function May play some biological role in the host defense system on the mucous membrane independently of or in cooperation with other substances in airway mucous or bronchial secretions. Plays a role in the proteolytic processing of ACE2. Proteolytically cleaves and activates the human coronavirus 229E (HCoV-229E) spike glycoprotein which facilitate virus-cell membrane fusions; spike proteins are synthesized and maintained in precursor intermediate folding states and proteolysis permits the refolding and energy release required to create stable virus-cell linkages and membrane coalescence. Preferentially cleaves the C-terminal side of arginine residues at the P1 position of certain peptides, cleaving Boc-Phe-Ser-Arg-4-methylcoumaryl-7-amide most efficiently and having an optimum pH of 8.6 with this substrate.

Cellular Location

Cell membrane; Single-pass type II membrane protein. Note=Activated by cleavage and secreted

Tissue Location

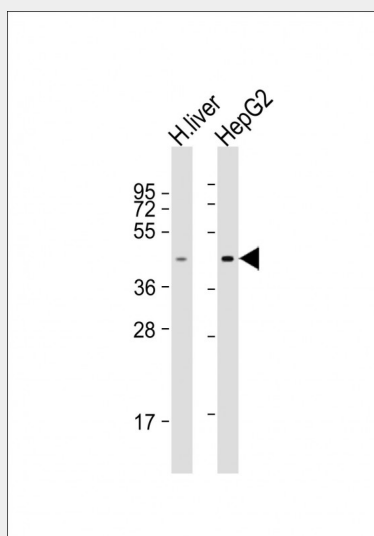
Located in the cells of the submucosal serous glands of the bronchi and trachea

TMPRSS11D Antibody (N-Term) - 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](#)

TMPRSS11D Antibody (N-Term) - Images



All lanes : Anti-TMPRSS11D Antibody (N-Term) at 1:2000 dilution Lane 1: human liver lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 46 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

TMPRSS11D Antibody (N-Term) - Background

May play some biological role in the host defense system on the mucous membrane independently of or in cooperation with other substances in airway mucous or bronchial secretions. Plays a role in the proteolytic processing of ACE2. Proteolytically cleaves and activates the human coronavirus 229E (HCoV-229E) spike glycoprotein which facilitate virus-cell membrane fusions; spike proteins are synthesized and maintained in precursor intermediate folding states and proteolysis permits the refolding and energy release required to create stable virus-cell linkages and membrane coalescence.

TMPRSS11D Antibody (N-Term) - References

Yamaoka K.,et al.J. Biol. Chem. 273:11895-11901(1998).
Yasuoka S.,et al.Am. J. Respir. Cell Mol. Biol. 16:300-308(1997).
Bertram S.,et al.J. Virol. 87:6150-6160(2013).
Heurich A.,et al.J. Virol. 88:1293-1307(2014).