

PRSS7 Antibody (C-term E979)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12255b

Specification

PRSS7 Antibody (C-term E979) - Product Information

Application	WB, FC, IHC-P,E
Primary Accession	P98073
Other Accession	NP_002763.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	112935
Antigen Region	964-994

PRSS7 Antibody (C-term E979) - Additional Information

Gene ID 5651

Other Names

Enteropeptidase, Enterokinase, Serine protease 7, Transmembrane protease serine 15, Enteropeptidase non-catalytic heavy chain, Enteropeptidase catalytic light chain, TMPRSS15, ENTK, PRSS7

Target/Specificity

This PRSS7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 964-994 amino acids from the C-terminal region of human PRSS7.

Dilution

WB~~1:1000
FC~~1:10~50
IHC-P~~1:10~50
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

PRSS7 Antibody (C-term E979) is for research use only and not for use in diagnostic or therapeutic procedures.

PRSS7 Antibody (C-term E979) - Protein Information

Name Tmprss15

Synonyms ENTK, PRSS7

Function Responsible for initiating activation of pancreatic proteolytic proenzymes (trypsin, chymotrypsin and carboxypeptidase A). It catalyzes the conversion of trypsinogen to trypsin which in turn activates other proenzymes including chymotrypsinogen, procarboxypeptidases, and proelastases.

Cellular Location

Membrane; Single-pass type II membrane protein

Tissue Location

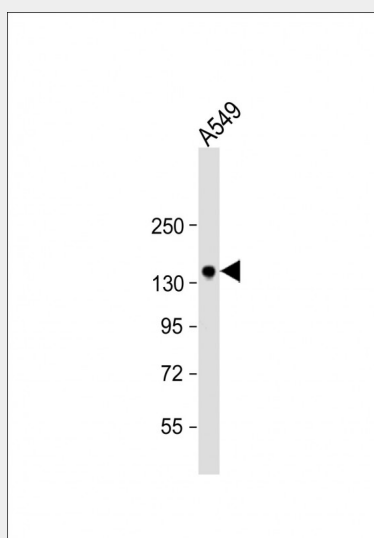
Intestinal brush border.

PRSS7 Antibody (C-term E979) - Protocols

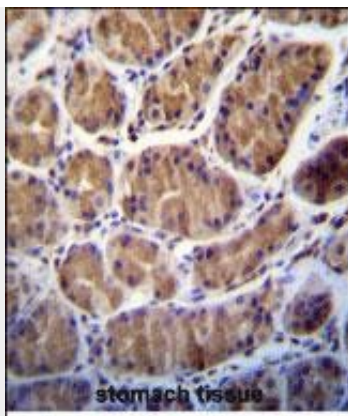
Provided below are standard protocols that you may find useful for product applications.

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

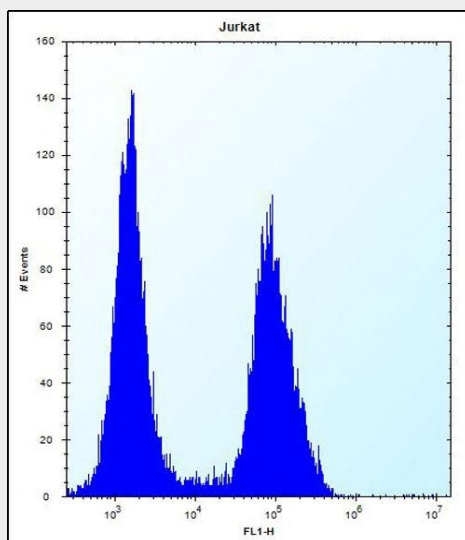
PRSS7 Antibody (C-term E979) - Images



Anti-PRSS7 Antibody (E979) at 1:1000 dilution + A549 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 : 113 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



PRSS7 Antibody (C-term E979) (Cat. #AP12255b) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PRSS7 Antibody (C-term E979) for immunohistochemistry. Clinical relevance has not been evaluated.



PRSS7 Antibody (C-term E979) (Cat. #AP12255b) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

PRSS7 Antibody (C-term E979) - Background

This gene encodes an enzyme that converts the pancreatic proenzyme trypsinogen to trypsin, which activates other proenzymes including chymotrypsinogen and procarboxypeptidases. The precursor protein is cleaved into two chains that form a heterodimer linked by a disulfide bond. This protein is a member of the trypsin family of peptidases. Mutations in this gene cause enterokinase deficiency, a malabsorption disorder characterized by diarrhea and failure to thrive.

PRSS7 Antibody (C-term E979) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Nakanishi, J., et al. J. Invest. Dermatol. 130(4):944-952(2010)
Vilen, S.T., et al. Exp. Cell Res. 314(4):914-926(2008)
Imamura, T., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 285 (6), G1235-G1241 (2003) :

Holzinger, A., et al. Am. J. Hum. Genet. 70(1):20-25(2002)