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PRSS7 Antibody (C-term E979)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12255b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P98073
Other Accession	NP_002763.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB05297
Calculated MW	112935
Antigen Region	964-994

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 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.

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.

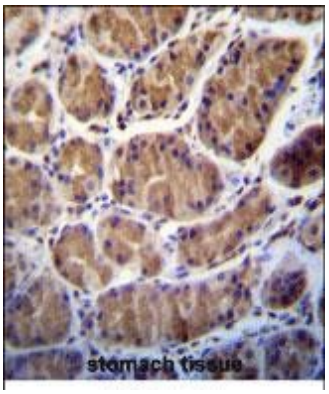
Background

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.

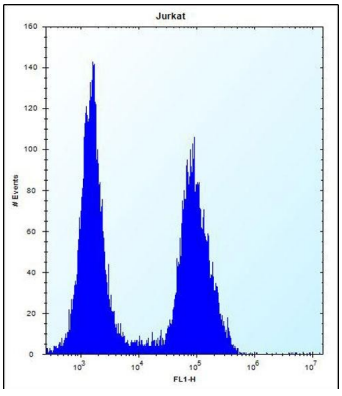
References

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Images



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.