

Enterokinase/Enteropeptidase Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8164b**Specification**

Enterokinase/Enteropeptidase Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P98073
Other Accession	NP_002763
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	112935
Antigen Region	972-1002

Enterokinase/Enteropeptidase Antibody (C-term) - 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 Enterokinase/Enteropeptidase antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 972~1002 amino acids from the C-terminal region of human enteropeptidase.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. 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

Enterokinase/Enteropeptidase Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Enterokinase/Enteropeptidase Antibody (C-term) - 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

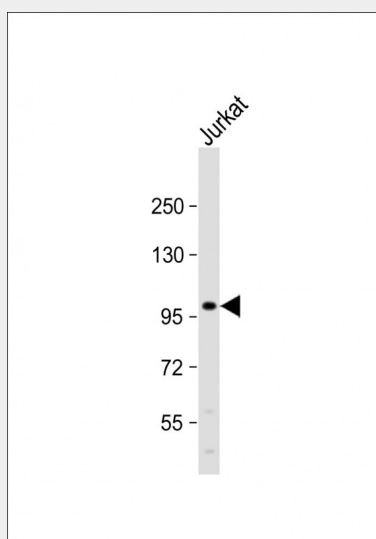
Tissue Location

Intestinal brush border.

Enterokinase/Enteropeptidase Antibody (C-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](#)

Enterokinase/Enteropeptidase Antibody (C-term) - Images

Anti-Enteropeptidase Antibody (C-term) at 1:1000 dilution + Jurkat 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.

Enterokinase/Enteropeptidase Antibody (C-term) - Background

This enzyme 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.

Enterokinase/Enteropeptidase Antibody (C-term) - References

- Holzinger, A., et al., Am. J. Hum. Genet. 70(1):20-25 (2002).
Kitamoto, Y., et al., Biochemistry 34(14):4562-4568 (1995).
Kitamoto, Y., et al., Proc. Natl. Acad. Sci. U.S.A. 91(16):7588-7592 (1994).
Imamura, T., et al., Am. J. Physiol. Gastrointest. Liver Physiol. 285 (6), G1235-G1241 (2003) (): ().
Freeman, T.C., et al., Clin. Chim. Acta 195 (1-2), 27-39 (1990) (): ().