

## Rabbit anti-Human PRSS7 Polyclonal Antibody | anti-TMPRSS15 antibody

PRSS7 Antibody (C-term E979)

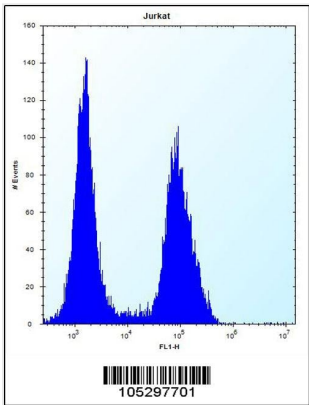
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA289731 | Rabbit | Human      | Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

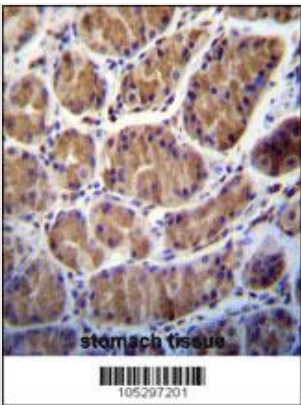
PRSS7; Polyclonal Antibody; PRSS7 Antibody (C-term E979); Enteropeptidase; Enterokinase; Serine protease 7; Transmembrane protease serine 15; Enteropeptidase non-catalytic heavy chain; Enteropeptidase catalytic light chain; TMPRSS15; ENTK; anti-TMPRSS15 antibody

### PRODUCT SPECIFICATIONS

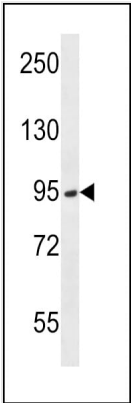
|                                                    |                                                                                                                                                                              |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                                                                                                       |
| Reactivity                                         | Human                                                                                                                                                                        |
| Clonality                                          | Polyclonal                                                                                                                                                                   |
| Isotype                                            | Rabbit Ig                                                                                                                                                                    |
| 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.       |
| Purity/Purification                                | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/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. |
| Concentration                                      | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                                 | 964-994                                                                                                                                                                      |
| Sequence Length                                    | 1,019                                                                                                                                                                        |
| Applicable Applications for anti-TMPRSS15 antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                              |
| Antigen Type                                       | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                     | HUMAN                                                                                                                                                                        |
| Preparation and Storage                            | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



**FCM/FACS (Flow Cytometry)**  
PRSS7 Antibody (C-term E979) 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.



**IHC (Immunohiostchemistry)**  
PRSS7 Antibody (C-term E979) 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.



**WB (Western Blot)**  
PRSS7 Antibody (E979) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the PRSS7 antibody detected the PRSS7 protein (arrow).

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TMPRSS15 antibody | 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. |
| Product Categories/Family for anti-TMPRSS15 antibody   | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| References                                             | Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :<br>Nakanishi, J., et al. J. Invest. Dermatol. 130(4):944-952(2010)<br>Vilen, S.T., et al. Exp. Cell Res. 314(4):914-926(2008)<br>Imamura, T., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 285 (6), G1235-G1241 (2003) :<br>Holzinger, A., et al. Am. J. Hum. Genet. 70(1):20-25(2002)                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|           |           |
|-----------|-----------|
| NCBI GI # | 223942069 |
|-----------|-----------|

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GeneID                      | <a href="#">5651</a>                            |
| NCBI Accession #                 | <a href="#">NP_002763.2</a>                     |
| NCBI GenBank Nucleotide #        | <a href="#">NM_002772.2</a>                     |
| UniProt Accession #              | <a href="#">P98073</a> ; <a href="#">Q2NKL7</a> |
| Molecular Weight                 | 112935                                          |
| NCBI Official Full Name          | enteropeptidase                                 |
| NCBI Official Synonym Full Names | transmembrane protease, serine 15               |
| NCBI Official Symbol             | TMPRSS15                                        |
| NCBI Official Synonym Symbols    | ENTK; PRSS7                                     |
| NCBI Protein Information         | enteropeptidase                                 |
| UniProt Protein Name             | Enteropeptidase                                 |
| UniProt Gene Name                | <b>TMPRSS15</b>                                 |
| UniProt Synonym Gene Names       | ENTK; PRSS7                                     |
| UniProt Entry Name               | ENTK_HUMAN                                      |

**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://www.aaabiotech.com/polyclonal/prss7-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289731>