

**PRSS3 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11927c**

**Specification**

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**PRSS3 Antibody (Center) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">P35030</a>
Other Accession	<a href="#">NP_002762.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	32529
Antigen Region	136-163

**PRSS3 Antibody (Center) - Additional Information**

**Gene ID** 5646

**Other Names**

Trypsin-3, Brain trypsinogen, Mesotrypsinogen, Serine protease 3, Serine protease 4, Trypsin III, Trypsin IV, PRSS3, PRSS4, TRY3, TRY4

**Target/Specificity**

This PRSS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 136-163 amino acids from the Central region of human PRSS3.

**Dilution**

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

**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**

PRSS3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**PRSS3 Antibody (Center) - Protein Information**

**Name** PRSS3

**Synonyms** PRSS4, TRY3, TRY4

**Function** Digestive protease that cleaves proteins preferentially after an Arg residue and has proteolytic activity toward Kunitz-type trypsin inhibitors.

**Cellular Location**

Secreted.

**Tissue Location**

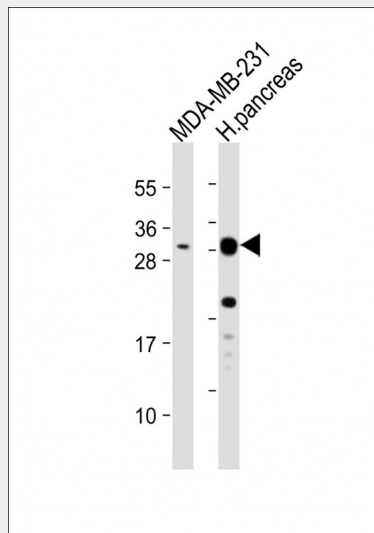
Detected in pancreas and pancreatic fluid (at protein level) (PubMed:6698368). Expressed in pancreas and brain (PubMed:8294000). Detected in ileum (PubMed:12021776)

**PRSS3 Antibody (Center) - Protocols**

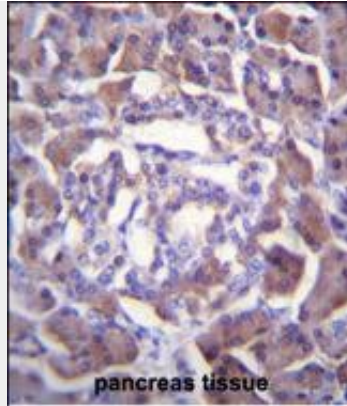
Provided below are standard protocols that you may find useful for product applications.

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

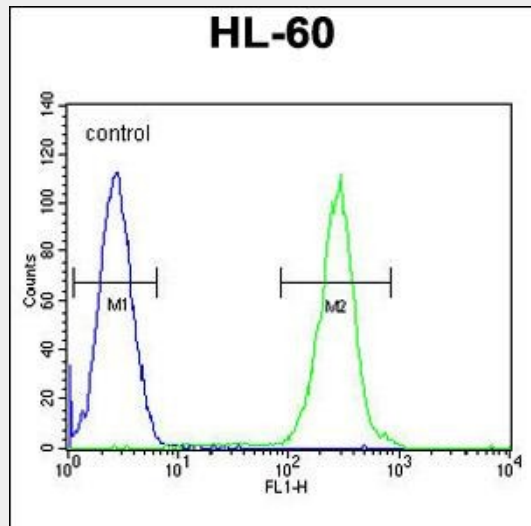
**PRSS3 Antibody (Center) - Images**



All lanes : Anti-PRSS3 Antibody (Center) at 1:1000 dilution Lane 1: MDA-MB-231 whole cell lysate Lane 2: human pancreas lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



PRSS3 Antibody (Center) (Cat. #AP11927c) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PRSS3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



PRSS3 Antibody (Center) (Cat. #AP11927c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### PRSS3 Antibody (Center) - Background

This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is expressed in the brain and pancreas and is resistant to common trypsin inhibitors. It is active on peptide linkages involving the carboxyl group of lysine or arginine. This gene is localized to the locus of T cell receptor beta variable orphans on chromosome 9. Four transcript variants encoding different isoforms have been described for this gene.

### PRSS3 Antibody (Center) - References

Jiang, G., et al. Gut 59(11):1535-1544(2010)  
 Nakanishi, J., et al. J. Invest. Dermatol. 130(4):944-952(2010)  
 Salameh, M.A., et al. J. Biol. Chem. 285(3):1939-1949(2010)  
 Rosendahl, J., et al. Pancreatology 10 (2-3), 243-249 (2010) :  
 Koistinen, H., et al. Neuroscience 160(1):97-102(2009)

**PRSS3 Antibody (Center) - Citations**

- [Enterokinase Enhances Influenza A Virus Infection by Activating Trypsinogen in Human Cell Lines.](#)