

# PRSS3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11927c

## Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">P35030</a>
<b>Other Accession</b>	<a href="#">NP_002762.2</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB31598
<b>Calculated MW</b>	32529
<b>Antigen Region</b>	136-163

## Additional Information

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<b>Gene ID</b>	5646
<b>Other Names</b>	Trypsin-3, Brain trypsinogen, Mesotrypsinogen, Serine protease 3, Serine protease 4, Trypsin III, Trypsin IV, PRSS3, PRSS4, TRY3, TRY4
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	PRSS3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PRSS3
<b>Synonyms</b>	PRSS4, TRY3, TRY4

<b>Function</b>	Digestive protease that cleaves proteins preferentially after an Arg residue and has proteolytic activity toward Kunitz-type trypsin inhibitors.
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	Detected in pancreas and pancreatic fluid (at protein level) (PubMed:6698368). Expressed in pancreas and brain (PubMed:8294000). Detected in ileum (PubMed:12021776)

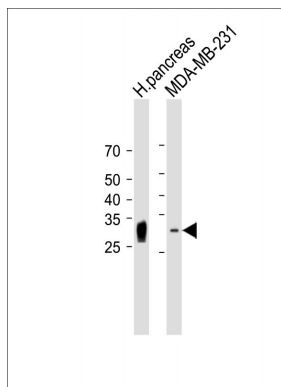
## Background

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.

## 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)

## Images



All lanes: Anti-PRSS3 Antibody (Center) at 1:2000 dilution  
 Lane 1: Human pancreas lysate Lane 2: MDA-MB-231 whole cell lysate Lysates/proteins at 20 µg per lane.  
 Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 33 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

## Citations

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

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