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PRSS3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11927c

Specification

PRSS3 Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P35030
Other Accession	NP_002762.2
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.

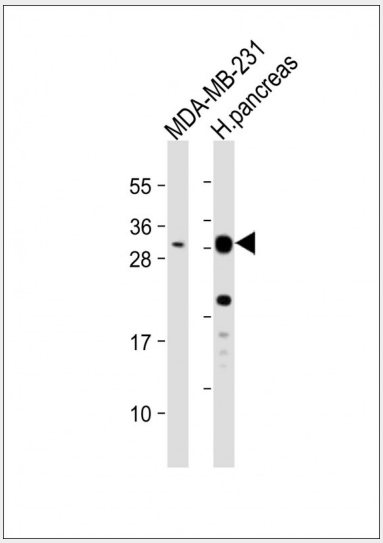
Tissue Location
Detected in pancreas and pancreatic fluid (at protein level) (PubMed:6698368). Expressed in pancreas and brain (PubMed:8294000). Detected in ileum (PubMed:12021776)

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 Cytomety
- 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.

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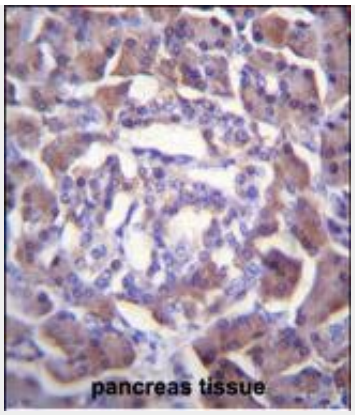
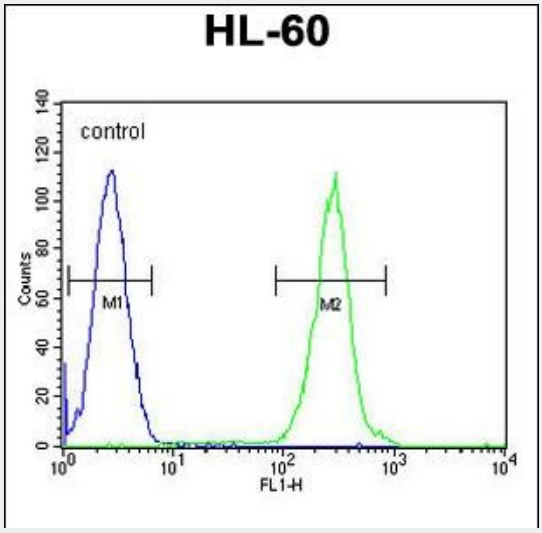


PRSS3 Antibody (Center) (Cat. #AP11927c)immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PRSS3 Antibody (Center) for immunohistochemistry. Clinical 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)

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PRSS3 Antibody (Center) - Citations

- Enterokinase Enhances Influenza A Virus Infection by Activating Trypsinogen in Human Cell Lines.