

Datasheet for ABIN955348  
**anti-PRSS3 antibody (N-Term)**

## 3 Images

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## Overview

Quantity:	0.4 mL
Target:	PRSS3
Binding Specificity:	AA 20-48, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRSS3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the N-terminal region (between 20-48aa) of human Trypsin-3 / PRSS3
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Trypsin-3 / PRSS3.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Purified through a Protein A column followed by peptide affinity purification

## Target Details

Target:	PRSS3
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## Target Details

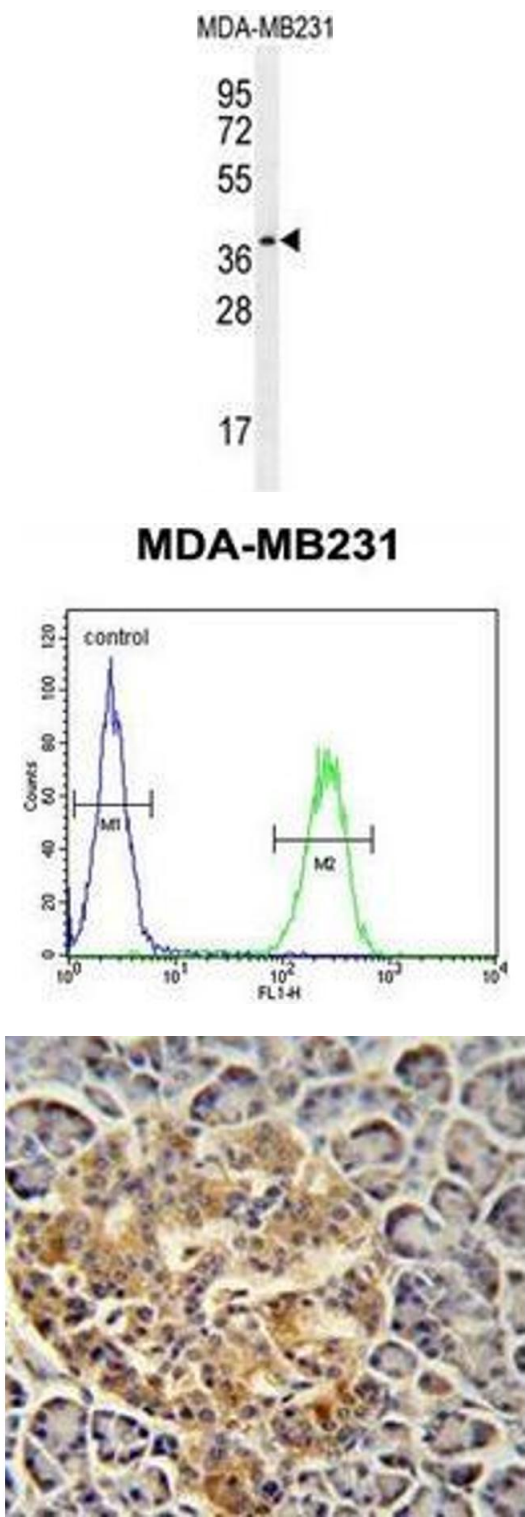
Alternative Name:	Trypsin-3 / PRSS3 ( <a href="#">PRSS3 Products</a> )
Background:	The PRSS3 gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is expressed in the brain and pancreas and is resistant to common trypsin inhibitors. It is active on peptide linkages involving the carboxyl group of lysine or arginine. PRSS3 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. Synonyms: Brain trypsinogen, Mesotrypsinogen, PRSS4, Serine protease 3, Serine protease 4, TRY3, TRY4, Trypsin III, Trypsin IV
Gene ID:	5646
NCBI Accession:	<a href="#">NP_002762</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

**Image 1.** Western blot analysis in MDA-MB231 cell line lysates (35ug/lane) using Trypsin-3 / PRSS3 Antibody (N-term). This demonstrates the PRSS3 antibody detected the PRSS3 protein (arrow).

Flow Cytometry

**Image 2.** Flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram) using Trypsin-3 / PRSS3 Antibody (N-term), followed by FITC-conjugated goat-anti-rabbit secondary antibodies.

Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry analysis in human pancreas tissue (Formalin-fixed, Paraffin-embedded) using Trypsin-3 / PRSS3 Antibody (N-term), followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PRSS3 antibody for IHC; Clinical relevance has not been evaluated.