

[Go to Product page](#)

Datasheet for ABIN7163529

**anti-SERPINA5 antibody (AA 157-367) (Biotin)**

## Overview

Quantity:	100 µg
Target:	SERPINA5
Binding Specificity:	AA 157-367
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SERPINA5 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Plasma serine protease inhibitor protein (157-367AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	SERPINA5
Alternative Name:	SERPINA5 ( <a href="#">SERPINA5 Products</a> )
Background:	Background: Heparin-dependent serine protease inhibitor acting in body fluids and secretions. Inactivates serine proteases by binding irreversibly to their serine activation site. Involved in the

## Target Details

regulation of intravascular and extravascular proteolytic activities. Plays hemostatic roles in the blood plasma. Acts as a procoagulant and proinflammatory factor by inhibiting the anticoagulant activated protein C factor as well as the generation of activated protein C factor by the thrombin/thrombomodulin complex. Acts as an anticoagulant factor by inhibiting blood coagulation factors like prothrombin, factor XI, factor Xa, plasma kallikrein and fibrinolytic enzymes such as tissue- and urinary-type plasminogen activators. In seminal plasma, inactivates several serine proteases implicated in the reproductive system. Inhibits the serpin acrosin, indirectly protects component of the male genital tract from being degraded by excessive released acrosin. Inhibits tissue- and urinary-type plasminogen activator, prostate-specific antigen and kallikrein activities, has a control on the sperm motility and fertilization. Inhibits the activated protein C-catalyzed degradation of SEMG1 and SEMG2, regulates the degradation of semenogelin during the process of transfer of spermatozoa from the male reproductive tract into the female tract. In urine, inhibits urinary-type plasminogen activator and kallikrein activities. Inactivates membrane-anchored serine proteases activities such as MPRSS7 and TMPRSS11E. Inhibits urinary-type plasminogen activator-dependent tumor cell invasion and metastasis. May also play a non-inhibitory role in seminal plasma and urine as a hydrophobic hormone carrier by its binding to retinoic acid.

Aliases: Acrosomal serine protease inhibitor antibody, IPSP antibody, IPSP\_HUMAN antibody, PAI 3 antibody, PAI-3 antibody, PAI3 antibody, PCI antibody, PCI-B antibody, PLANH 3 antibody, PLANH3 antibody, Plasma serine protease inhibitor antibody, Plasminogen activator inhibitor 3 antibody, Plasminogen activator inhibitor III antibody, PROCI antibody, Protein C inhibitor antibody, Serpin A5 antibody, Serpin peptidase inhibitor clade A (alpha 1 antiproteinase antitrypsin) member 5 antibody, Serpin peptidase inhibitor clade A member 5 antibody, Serpina5 antibody

UniProt: [P05154](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

## Handling

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Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.