

Anti-Serpin A5 Antibody (7N912)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7N912
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human SerpinA5 protein
Antigen Species:	Human

Research Background

Serpin A5, also well known as protein C inhibitor (PCI), is a member of the human serpin superfamily that consists of at least 35 members. It is synthesized in the liver and has been detected in saliva, cerebral spinal fluid, amniotic fluid, tears and semen. As a potent inhibitor of the protein C anticoagulant pathway at the levels of both zymogen activation and enzyme inhibition, serpinA5 additionally inhibits a variety of serine protease including thrombin, factor Xa, several kallekreins and acrosin, and plays a role in the processes of blood coagulation and fertilization. Serpin A5 also inhibits urinary plasminogen activator (uPA), a mediator of tumor cell invasion, and regulates tumor growth and metastasis by inhibiting angiogenesis. Furthermore, recent studies have identified PCI as a potent and direct inhibitor of activated HGFA (hepatocyte growth factor activator), suggesting a novel function in the regulation of tissue repair and regeneration. Similar to serpins C1 and D1, the thrombin inhibitory activity of serpinA5 is enhanced by heparin.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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