

Basic Information

Product Name	Anti-Serpin C1/Antithrombin III/SERPINC1 Antibody (Clone#ACCA-19)	
Gene Name	SERPINC1	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human SERPINC1 Most important serine protease inhibitor in plasma that regulates the blood coagulation cascade. AT-III inhibits thrombin as well as factors IXa, Xa and XIa. Its inhibitory activity is greatly enhanced in the presence of heparin.	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	53 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

Serpin peptidase inhibitor, clade C(antithrombin), member 1, also known as Antithrombin III(AT3) is the most important inhibitor of thrombin OMBIN III and other coagulation proteinases. This gene is mapped to 1q25.1. The protein encoded by this gene is a plasma protease inhibitor and a member of the serpin superfamily. This protein inhibits thrombin as well as other activated serine proteases of the coagulation system, and it regulates the blood coagulation cascade. The protein includes two functional domains: the heparin binding-domain at the N-terminus of the mature protein, and the reactive site domain at the C-terminus. The inhibitory activity is enhanced by the presence of heparin. More than 120

Product datasheet

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Catalog Number: **BM5232**

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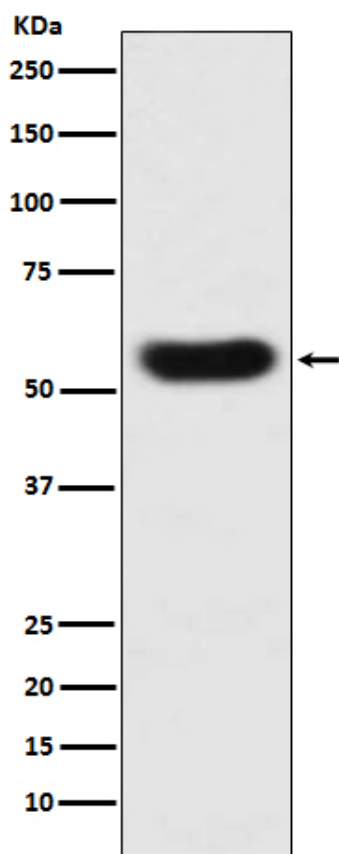
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mutations have been identified for this gene, many of which are known to cause antithrombin-III deficiency.

Selected Validation Data



Western blot analysis of SERPINC1 expression in human plasma lysate.