

SERPINC1 Polyclonal Antibody

Catalog NumberPA1-43054

Product data sheet

Details		Species Reactivity	
Size	1 mg	Species reactivity	Human
Host/Isotope	Sheep / IgG	<div>Tested ApplicationsDilution *</div> <div>ELISA (ELISA)5-10 µg/mL</div> <div>Western Blot (WB)25 µg/mL</div>	
Class	Polyclonal		
Type	Antibody	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Immunogen	Human Antithrombin III.		
Conjugate	Unconjugated		
Form	Liquid		
Purification	Ammonium sulfate precipitation, Ion-exchange chromatography		
Storage buffer	50% water with 50% glycerol		
Contains	no preservative		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

PA1-43054 detects SERPINC1 in human samples. PA1-43054 has successfully been used in Western blot and ELISA applications. PA1-43054 was derived from human antithrombin III.

Background/Target Information

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

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