

ARG44736 anti-Antithrombin III antibody

Package: 50 µg

Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Antithrombin III
Tested Reactivity	Hu
Tested Application	IP
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	Antithrombin III
Species	Human
Conjugation	Un-conjugated
Alternate Names	AT3D; Antithrombin-III; ATIII; Serpin C1; AT3; THPH7

Application Instructions

Application table	Application	Dilution
	IP	10 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SERPINC1
Gene Full Name	serpin peptidase inhibitor, clade C (antithrombin), member 1
Background	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. [provided by RefSeq, Jul 2009]

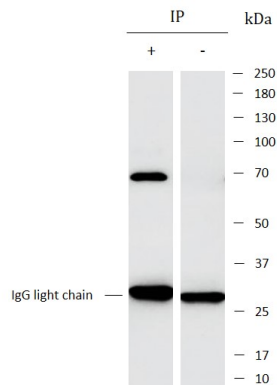
Function

Most important serine protease inhibitor in plasma that regulates the blood coagulation cascade. AT-III inhibits thrombin, matrilysin-3/TMPRSS7, as well as factors IXa, Xa and XIa. Its inhibitory activity is greatly enhanced in the presence of heparin. [UniProt]

Cellular Localization

Secreted, extracellular space.

Images



ARG44736 anti-Antithrombin III antibody IP image

Immunoprecipitation: Plasma lysate immunoprecipitated with 2.5 µg of ARG44736 anti-Antithrombin III antibody.