

DATASHEET

Antithrombin III Mouse Monoclonal Antibody(C3557)

CAT. NO. AMA03169

KEY FEATURES

Target	Antithrombin III	Source / Host	Mouse
Reactivity	Human, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

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

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

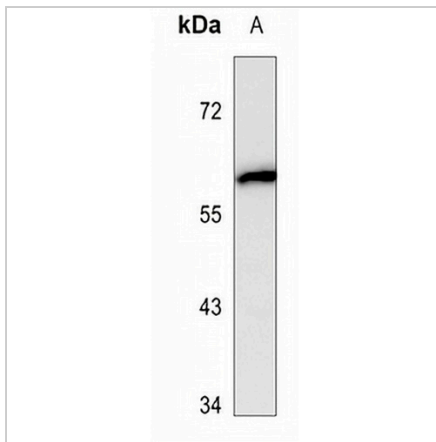
Description	Mouse monoclonal antibody to Antithrombin III
Specificity	Recognizes endogenous levels of Antithrombin III protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Antithrombin III. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 52 kD; Observed: 57 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	AT3; Antithrombin-III; ATIII; Serpin C1
Gene Symbol	SERPINC1
Entrez Gene	462(Human)
SwissProt	P01008(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Antithrombin III expression in rat liver (A) whole cell lysates.
(Predicted band size: 52 kD; Observed band size: 57 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.