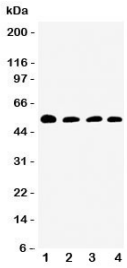
Antithrombin III Antibody (R31342)

Catalog No.	Formulation	Size
R31342	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P01008
Applications	Western blot: 0.5-1ug/ml
Limitations	This Antithrombin III antibody is available for research use only.



Western blot testing of Antithrombin III antibody and Lane 1: rat testis; 2: SMMC-7721; 3: Jurkat; 4: Raji cell lysate. Expected/observed size ~52KD

Description

Antithrombin III (AT3), is the most important inhibitor of thrombin and other coagulation proteinases. It 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Antithrombin III antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human AT3 (TFYQHLADSKNDNDN) was used as the immunogen for this Antithrombin III antibody.

Storage

After reconstitution, the Antithrombin III antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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