




Product datasheet

Anti-Antithrombin III/ATIII antibody ab180614

[1 References](#) [1 Image](#)

Overview

Product name	Anti-Antithrombin III/ATIII antibody
Description	Rabbit polyclonal to Antithrombin III/ATIII
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF
Species reactivity	Reacts with: Mouse, Rat Predicted to work with: Sheep, Cow, Orangutan 
Immunogen	Recombinant fragment corresponding to Human Antithrombin III/ATIII aa 33-185. Sequence: HGSPVDICTAKPRDIPMNP MCIYRSPEKKATEDEGSEQKIP EATNRRVWE LSKANSRFATTFYQHLADSKNDNDNIFLSPLSISTAFAMTK LGACNDTLQ QLMEVFKFDTISEKTSDQIHFFFAKLNCRLYRKANKSSKLV SANRLFGDK SLT Database link: P01008  Run BLAST with  Run BLAST with
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>
Properties	<hr/>
Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30

	Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab180614 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500. Predicted molecular weight: 52 kDa.

Application notes Is unsuitable for ICC/IF.

Target

Function 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.

Tissue specificity Found in plasma.

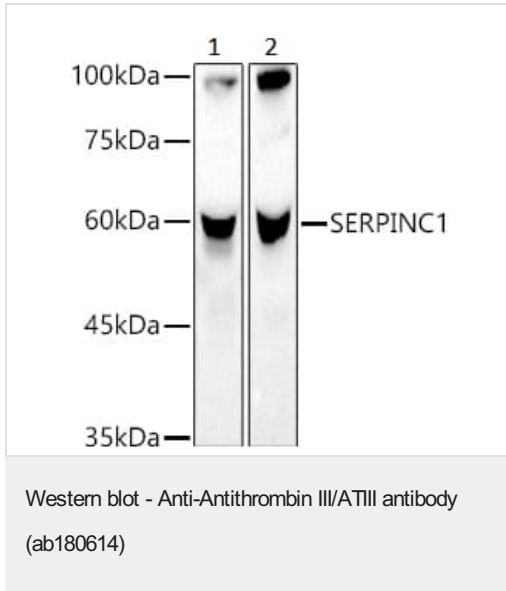
Involvement in disease Defects in SERPINC1 are the cause of antithrombin III deficiency (AT3D) [MIM:613118]. AT3D is an important risk factor for hereditary thrombophilia, a hemostatic disorder characterized by a tendency to recurrent thrombosis. AT3D is classified into 4 types. Type I: characterized by a 50% decrease in antigenic and functional levels. Type II: has defects affecting the thrombin-binding domain. Type III: alteration of the heparin-binding domain. Plasma AT-III antigen levels are normal in type II and III. Type IV: consists of miscellaneous group of unclassifiable mutations.

Sequence similarities Belongs to the serpin family.

Post-translational modifications Phosphorylation sites are present in the extracellular medium.

Cellular localization Secreted > extracellular space.

Images



All lanes : Anti-Antithrombin III/ATIII antibody (ab180614) at 1/500 dilution

Lane 1 : Mouse plasma

Lane 2 : Rat plasma

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : HRP Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Predicted band size: 52 kDa

Observed band size: 58 kDa

Exposure time: 60 seconds

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