

Product datasheet

Anti-Antithrombin III/ATIII antibody [EPR5371] ab124808

Recombinant RabMAb

[2 Images](#)

Overview

Product name	Anti-Antithrombin III/ATIII antibody [EPR5371]
Description	Rabbit monoclonal [EPR5371] to Antithrombin III/ATIII
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Synthetic peptide within Human Antithrombin III/ATIII aa 1-100. The exact sequence is proprietary.
Positive control	Human plasma, ovary cancer and Human testis lysates
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.05% BSA, 49% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5371

Isotype

IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab124808 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		1/1000 - 1/10000. Detects a band of approximately 55 kDa (predicted molecular weight: 52 kDa).

Application notes Is unsuitable for IHC-P or IP.

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.

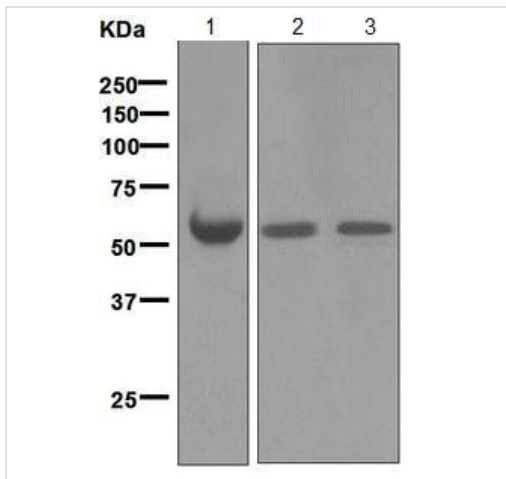
Involvement in disease Defects in SERPINC1 are the cause of antithrombin III deficiency (AT3D) [MIM:613118]. AT3D is an important risk factor for hereditary thrombophilia, a hemostatic disorder characterized by a tendency to recurrent thrombosis. AT3D is classified into 4 types. Type I: characterized 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



Western blot - Anti-Antithrombin III/ATIII antibody [EPR5371] (ab124808)

All lanes : Anti-Antithrombin III/ATIII antibody [EPR5371] (ab124808) at 1/1000 dilution

Lane 1 : Human plasma lysate

Lane 2 : Human ovary cancer lysate

Lane 3 : Human testis lysate

Lysates/proteins at 10 µg per lane.





Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 52 kDa

Observed band size: 55 kDa

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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