

Anti-Antithrombin III/SERPINC1 Antibody Picoband®

Catalog Number: PA2218

About SERPINC1

Serpin peptidase inhibitor, clade C (antithrombin), member 1, also known as Antithrombin III (AT3) is the most important inhibitor of thrombin OMBIN III and other coagulation proteinases. This gene is mapped to 1q25.1. 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.

Overview

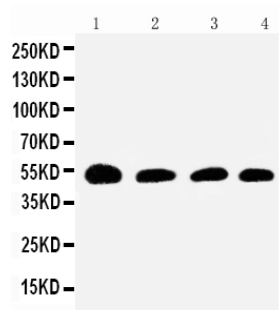
Product Name	Anti-Antithrombin III/SERPINC1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Antithrombin III/SERPINC1 Antibody catalog # PA2218. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01008

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Antithrombin III, different from the related mouse and rat sequences by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-Antithrombin III/SERPINC1 Antibody Picoband® (PA2218) Images



Anti-Antithrombin III antibody, PA2218, Western blotting
Lane 1: Rat Testis Tissue Lysate
Lane 2: SMMC Cell Lysate
Lane 3: JURKAT Cell Lysate
Lane 4: RAJI Cell Lysate

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Antithrombin III/SERPINC1 Antibody

For Research Use Only. Not for use in diagnostic procedures.