

Anti-Prothrombin/F2 Antibody Picoband®

Catalog Number: PA2059

About F2

F2 (Coagulation Factor II), also known as thrombin, is a serine protease that in humans is encoded by the F2 gene. Royle et al. (1987) assigned the gene for human prothrombin (F2) to chromosome 11p11-q12 by analysis of a panel of somatic cell hybrid DNAs and by in situ hybridization, using both cDNA and genomic probes. The activated thrombin enzyme plays an important role in hemostasis and thrombosis: it converts fibrinogen to fibrin for blood clot formation, stimulates platelet aggregation, and activates coagulation factors V, VIII (F8), and XIII (F13A1). Thrombin also inhibits coagulation by activating protein C.

Overview

Product Name	Anti-Prothrombin/F2 Antibody Picoband®
Reactive Species	Rat
Description	Boster Bio Anti-Prothrombin/F2 Antibody catalog # PA2059. Tested in WB applications. This antibody reacts with 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 Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *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	P18292

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of rat Prothrombin.
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, Rat

Anti-Prothrombin/F2 Antibody Picoband® (PA2059) Images



Anti-F2 antibody, PA2059, Western blotting
All lanes: Anti F2 (PA2059) at 0.5ug/ml
WB : Rat Testis Tissue Lysate at 50ug
Predicted bind size: 70KD
Observed bind size: 100KD

1 Publications Citing This Product

1. PubMed ID: 21642433, Heparin Impairs Angiogenesis through Inhibition of MicroRNA-10b

Visit bosterbio.com/anti-prothrombin-antibody-pa2059-boster.html to see all 1 publications.

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Anti-Prothrombin/F2 Antibody

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