

Anti-EPCR/CD201/PROCR Antibody Picoband®

Catalog Number: PB9880

About PROCR

Endothelial protein C receptor (EPCR), also known as activated protein C receptor (APC receptor), is a protein that in humans is encoded by the PROCR gene. It has also recently been designated CD201 (cluster of differentiation 201). The protein encoded by this gene is a receptor for activated protein C, a serine protease activated by and involved in the blood coagulation pathway. And it is an N-glycosylated type I membrane protein that enhances the activation of protein C. Mutations in this gene have been associated with venous thromboembolism and myocardial infarction, as well as with late fetal loss during pregnancy. The encoded protein may also play a role in malarial infection and has been associated with cancer.

Overview

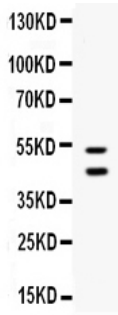
Product Name	Anti-EPCR/CD201/PROCR Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-EPCR/CD201/PROCR Antibody Picoband® catalog # PB9880. Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior 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	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , and 0.05 mg 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	Q9UNN8

Technical Details

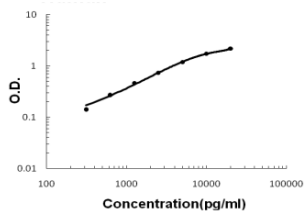
Immunogen	E. coli-derived human EPCR/CD201 recombinant protein (Position: S18-S210). Human EPCR/CD201 shares 65.5% and 65.6% amino acid (aa) sequence identity with mouse and rat EPCR/CD201, respectively.
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Recommended Detection Systems	Boster recommends 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	ELISA, 0.1-0.5ug/ml, - Western blot, 0.1-0.5ug/ml, Human

Anti-EPCR/CD201/PROCR Antibody Picoband® (PB9880) Images



Western blot analysis of EPCR/CD201 using anti-EPCR/CD201 antibody (PB9880). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: A549 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-EPCR/CD201 antigen affinity purified polyclonal antibody (Catalog # PB9880) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for EPCR/CD201 at approximately 46 kDa, 52 kDa. The expected band size for EPCR/CD201 is at 27 kDa.



Sandwich ELISA - Recombinant human EPCR protein standard curve. Use in combination with reagents from Human EPCR ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0957).

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Anti-EPCR/CD201/PROCR Antibody

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