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Anti-Prokineticin 1/PROK1 Antibody Picoband®

Catalog Number: PB9882

About PROK1

Prokineticin-1 is also known as EG-VEGF. The International Radiation Hybrid Mapping Consortium mapped the PROK1 gene to chromosome 1. The protein encoded by this gene induces proliferation, migration, and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. It has little or no effect on a variety of other endothelial and non-endothelial cell types. Its expression is restricted to the steroidogenic glands (ovary, testis, adrenal, and placenta), is induced by hypoxia, and often complementary to the expression of vascular endothelial growth factor (VEGF), suggesting that these molecules function in a coordinated manner.

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Overview

Product Name	Anti-Prokineticin 1/PROK1 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-Prokineticin 1/PROK1 Antibody Picoband® catalog # PB9882. Tested in WB applications. This antibody reacts with Mouse. 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, 0.9 mg NaCl, 0.2 mg Na2HPO4, and 0.05 mg 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	Q14A28

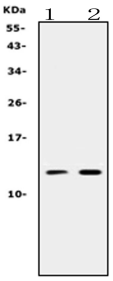
Technical Details

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Immunogen	E. coli-derived mouse Prokineticin 1 recombinant protein (Position: A20-F105). Mouse Prokineticin 1 shares 88.4% and 94.2% amino acid (aa) sequence identity with human and rat Prokineticin 1, respectively.
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, Mouse

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Anti-Prokineticin 1/PROK1 Antibody Picoband® (PB9882) Images



Western blot analysis of Prokineticin 1 using anti-Prokineticin 1 antibody (PB9882). 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: mouse liver tissue lysates, Lane 2: mouse spleen tissue 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-Prokineticin 1 antigen affinity purified polyclonal antibody (Catalog # PB9882) 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 Prokineticin 1 at approximately 12 kDa. The expected band size for Prokineticin 1 is at 12 kDa.

1 Publications Citing This Product

1. PubMed ID: 21139695, Administration of pigment epithelium-derived factor delivered by adeno-associated virus inhibits blood?retinal barrier breakdown in diabetic rats

Visit bosterbio.com/anti-prokineticin-1-picoband-trade-antibody-pb9882-boster.html to see all 1 publications.

Anti-Prokineticin 1/PROK1 Antibody

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