

Anti-Vegfc Antibody Picoband®

Catalog Number: A00623-3

About Vegfc

Vascular endothelial growth factor C (VEGF-C) is a protein that is a member of the platelet-derived growth factor / vascular endothelial growth factor (PDGF/VEGF) family. It is encoded in humans by the VEGFC gene, which is located on chromosome 4q34. Enables vascular endothelial growth factor receptor 3 binding activity. Involved in several processes, including negative regulation of osteoblast differentiation; positive regulation of angiogenesis; and positive regulation of mesenchymal stem cell proliferation. Acts upstream of or within several processes, including cellular response to leukemia inhibitory factor; positive regulation of lymphangiogenesis; and positive regulation of peptidyl-tyrosine phosphorylation. Located in extracellular space. Is expressed in several structures, including alimentary system mesentery; brain; cardiovascular system; embryo mesenchyme; and genitourinary system. Used to study hereditary lymphedema. Human ortholog(s) of this gene implicated in breast carcinoma and hereditary lymphedema ID. Orthologous to human VEGFC (vascular endothelial growth factor C).

Overview

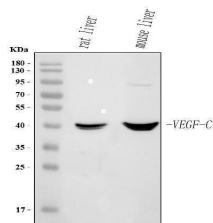
Product Name	Anti-Vegfc Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Vegfc Antibody Picoband® catalog # A00623-3. Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	P97953

Technical Details

Immunogen	E.coli-derived mouse Vegfc recombinant protein (Position: A108-R223).
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 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 µg/ml, Mouse, Rat ELISA, 0.1-0.5 µg/ml, -

Anti-Vegfc Antibody Picoband® (A00623-3) Images



Western blot analysis of Vegfc using anti-Vegfc antibody (A00623-3). 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: rat liver tissue lysates, Lane 2: mouse liver 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-Vegfc antigen affinity purified polyclonal antibody (Catalog # A00623-3) 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 Vegfc at approximately 46 kDa. The expected band size for Vegfc is at 46 kDa.

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Anti-Vegfc Antibody

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