BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-VEGF Receptor 1/FLT1 Antibody Picoband®

Catalog Number: PA1399

About FLT1

Vascular endothelial growth factor receptor 1 (FLT1) is a protein that in humans is encoded by the FLT1 gene. Oncogene FLT belongs to the src gene family. It is mapped to 13q12. The deduced 1,338-amino acid protein has a calculated molecular mass of 150.6 kD. It has a 758-amino acid extracellular domain, followed by a 22-amino acid transmembrane region and a 558-amino acid cytoplasmic region containing a cluster of basic amino acids and a tyrosine kinase domain. sFLT-1 was identified in placenta, adult lung, kidney, liver and uterus. Like other members of this family, it shows tyrosine protein kinase activity that is important for the control of cell proliferation and differentiation.

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Overview

Product Name	Anti-VEGF Receptor 1/FLT1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-VEGF Receptor 1/FLT1 Antibody catalog # PA1399. Tested in 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	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	P17948

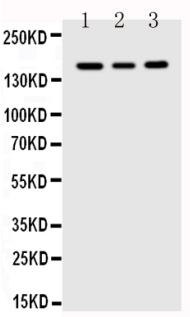
Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human FLT1.
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

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Anti-VEGF Receptor 1/FLT1 Antibody Picoband® (PA1399) Images



Anti-FLT1 antibody, PA1399, Western blottingLane 1: MCF-7 Cell LysateLane 2: SGC Cell LysateLane 3: MM231 Cell Lysate

2 Publications Citing This Product

1. PubMed ID: 23671638, Wu Y, You H, Ma P, Li L, Yuan Y, Li J, Ye X, Liu X, Yao H, Chen R, Lai K, Yang X. Plos One. 2013 May 9;8(5):E62827. Doi: 10.1371/Journal.Pone.0062827. Print 2013. Role Of Transient Receptor Potential Ion Channels And Evoked Levels Of Neuropeptides...

2. PubMed ID: 27216943, A novel polysaccharide from Sargassum integerrimum induces apoptosis in A549 cells and prevents angiogensis in vitro and in vivo

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