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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-VEGF Receptor 1/FLT1 Antibody

Catalog Number: PA1966-1

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.

Overview

Product Name	Anti-VEGF Receptor 1/FLT1 Antibody
Reactive Species	Rat
Description	Boster Bio Anti-VEGF Receptor 1/FLT1 Antibody catalog # PA1966-1. Tested in WB applications. This antibody reacts with Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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	P53767

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of rat FLT1.
Predicted Reactive Species	Hamster
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.

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Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Rat

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Anti-VEGF Receptor 1/FLT1 Antibody (PA1966-1) Images

Anti-FLT1 antibody, PA1966-1, Western blotting
All lanes: Anti FLT1 (PA1966-1) at 0.5ug/ml
WB: Rat Lung Tissue Lysate at 50ug
Predicted bind size: 151KD
Observed bind size: 151KD

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

Visit bosterbio.com/anti-vegfr1-flt1-antibody-pa1966-1-boster.html to see all 2 publications.

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