

Anti-VEGF VEGFA Rabbit Monoclonal Antibody

Catalog Number: M00045-1

About VEGFA

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

Product Name	Anti-VEGF VEGFA Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-VEGF VEGFA Rabbit Monoclonal Antibody catalog # M00045-1. Tested in IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, IHC, ICC
Clonality	Monoclonal ADB-22
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P15692

Technical Details

Immunogen	A synthesized peptide derived from human VEGF
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
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:

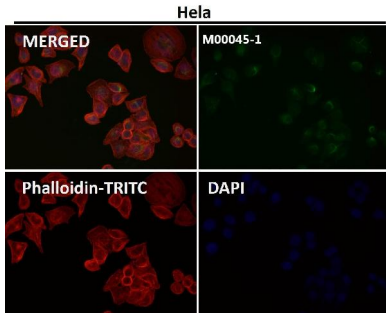
Boster Bio's internal QC testing used:

IHC 1:100-1:250

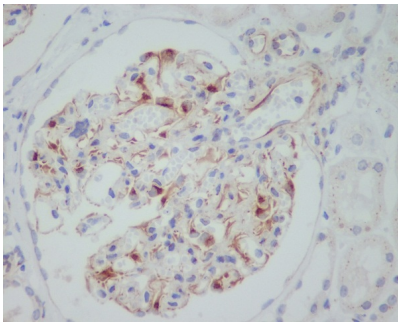
ICC/IF 1:100-1:250

FC 1:50

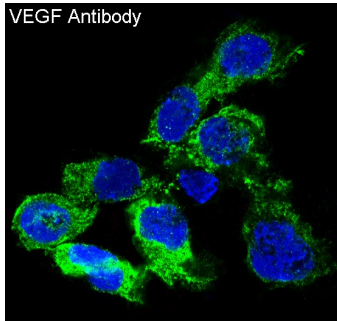
Anti-VEGF VEGFA Rabbit Monoclonal Antibody (M00045-1) Images



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunohistochemical analysis of paraffin-embedded human kidney, using VEGF Antibody.



Immunofluorescent analysis of HUVEC cells, using VEGF Antibody.

31 Publications Citing This Product

1. PubMed ID: 30910640, Zhou D,Huang X,Xie Y,Deng Z,Guo J,Huang H.Astrocytes-derived VEGF exacerbates the microvascular damage of late delayed RBI.Neuroscience.2019 Jun 1;408:14-21.doi:10.1016/j.neuroscience.2019.03.039.Epub 2019 Mar 22.PMID:30910640.
2. PubMed ID: -, Junyi Tang,Chunyan Liu,Bing Xu,Dawei Wang,Zhenshen Ma,Xiaotian Chang,ARHGEF10L contributes to liver tumorigenesis through RhoA-ROCK1 signaling and the epithelial-mesenchymal transition,Experimental Cell Research,Volume 374,Issue 1,2019,Pages 46-68,ISSN 0014-4827,https://doi.org/10.1016/j.yexcr.2018.11.007.
3. PubMed ID: 31556558, Shao JB,Li Z,Zhang N,Yang F,Gao W,Sun ZG.Hypoxia-inducible factor 1alpha in combination with vascular endothelial growth factor could predict the prognosis of postoperative patients with oesophageal squamous cell cancer.Pol J Pathol.2019;70(2):84-90.doi:10.5114/pjp.2019. 87100.PMID:31556558.

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