VEGFA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VEGFA, Polyclonal Antibody
Full Product Name	VEGFA Conjugated Antibody
Product Gene Name	anti-VEGFA antibody
Product Synonym Names	vascular endothelial growth factor A; VPF; VEGF; MVCD1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous level of total VEGFA protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	199,132 Da
3D Structure	ModBase 3D Structure for P20357
Immunogen	Synthetic peptide corresponding to a region derived from 130-143 amino acids of human vascular endothelial growth factor A
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-VEGFA antibody	Most Applications
Application Notes for anti-VEGFA antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-VEGFA antibody	This gene is a member of the PDGF/VEGF growth factor family and encodes a protein that is often found as a disulfide linked homodimer. This protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms.
Other Notes	Small volumes of anti-VEGFA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for VEGFA purchase	MBS9442447 is an antibody targeting VEGFA. Also known as VEGFA Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VEGFA. It may not necessarily be applicable to this product.

NCBI GI #	890810631
NCBI GeneID	17756
NCBI Accession #	NP_001297563.1
UniProt Primary Accession #	P20357
UniProt Secondary Accession #	E9QLE1
UniProt Related Accession #	P20357
GenBank Nucleotide #	NM_001310634.1
NCBI Official Full Name	microtubule-associated protein 2 isoform 3
NCBI Official Synonym Full Names	microtubule-associated protein 2
NCBI Official Symbol	Map2
NCBI Official Synonym Symbols	MAP-2; Mtap2; Mtap-2; repro4; G1-397-34
UniProt Protein Name	Microtubule-associated protein 2
UniProt Gene Name	Map2
UniProt Synonym Gene Names	Mtap2; MAP-2
NCBI Protein Information	microtubule-associated protein 2
UniProt Comments for VEGFA	The exact function of MAP2 is unknown but MAPs may stabilize the microtubules against depolymerization. They also seem to have a stiffening effect on microtubules.
Research Articles on VEGFA	**1.** MAP2c levels in different brain regions of aging mice were positively correlated with neuropsin expression.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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