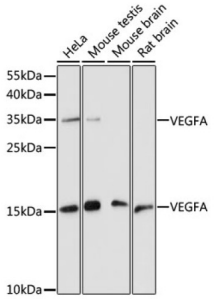
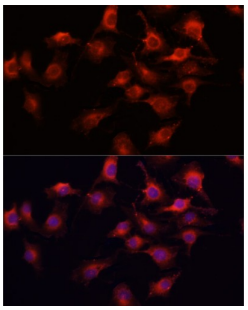
Vascular Endothelial Growth Factor A (VEGFA) Antibody

Catalogue No.:abx004364



Western blot analysis of extracts of various cell lines using VEGFA Antibody (1/1000 dilution).



Immunofluorescence analysis of HUVEC cells using VEGFA Antibody (1/100 dilution, 40x lens). Blue: DAPI for nuclear staining.

VEGFA Antibody is a Rabbit Polyclonal antibody against VEGFA. 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.

Target:	Vascular Endothelial Growth Factor A (VEGFA)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic peptide corresponding to human VEGFA

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Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P15692 (UniProt, ExPASy)
Gene Symbol:	VEGFA
GeneID:	7422
NCBI Accession:	NP_001165099.1
Molecular Weight:	Calculated MW: 15-27 kDa/34-45 kDa Observed MW: 16 kDa/35 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	This product is for research use only.

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