Anti- VEGF antibody

Product Information

Catalog No.:	FNab09933
Size:	100μg
Form:	liquid
Purification:	protein A+G purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	5H5
IsoType:	IgG2b
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months (Avoid repeated freeze / thaw cycles.)

Background

VEGFA, also named as VEGF or VPF, belongs to the PDGF/VEGF growth factor family. It is a growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. VEGFA induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. It binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. Defects in VEGFA are a cause of susceptibility to microvascular complications of diabetes type 1(MVCD1). VEGFA has 13 isoforms with MW 16kd to 45kd. Some isoforms has homodimer form, such as VEGFA189(38kd), VEFGA110(34kd). VEGFA is a 34kd to 42kd, dimeric, disulfide-bound glycoprotein. VEGF-A exists in at least seven homodimeric isoforms. The monomers consist of 121, 145, 148, 165, 183, 189, or 206 amino acids(PMID:15602010). This antibody can recognize all the isoforms of VEFGA.

Immunogen information

Immunogen:	vascular endothelial growth factor A
Synonyms:	L VEGFA, MVCD1, Vascular permeability factor, VEGF, VEGF A, VEGFA, VPF
Observed MW:	45 kDa
Uniprot ID :	P15692

Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 Gaoxin Ave.East Lake High-Tech Development Zone.Wuhan, Hubei, China(430206)

Tel :(0086)027-87384275 Fax: (0086)027-87800889 www.fn-test.com

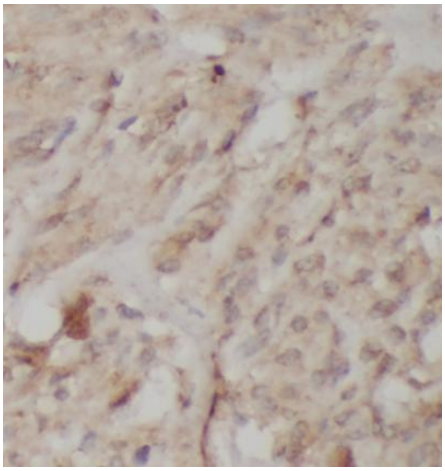
Application

Reactivity: Human

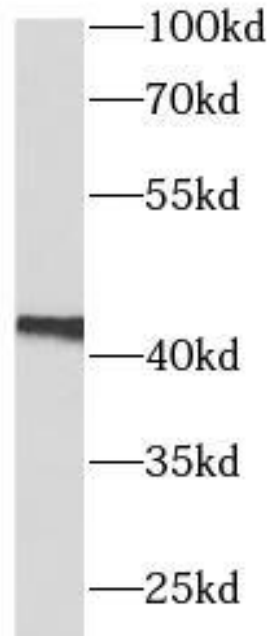
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:1000-1:4000; IHC: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human stomach cancer tissue slide using FNab09933 (VEGF antibody) at dilution of 1:200



MCF-7 cells were subjected to SDS PAGE followed by western blot with FNab09933 (VEGF antibody) at dilution of 1:2000

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