

Nur für Forschungszwecke

VEGFA Monoklonaler Antikörper

Katalog-Nr.:66828-1-Ig

Vorgestelltes Produkt

75 Publikationen



Allgemeine Informationen

Katalog-Nr.: 66828-1-Ig	GenBank-Zugangsnummer: BC065522	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul, Konzentration: 2200 µg/ml von7422 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): Vollständiger Name: vascular endothelial growth factor A	CloneNo.: 2E2H9
Wirt: Maus	Berechnete Masse: 412 aa, 46 kDa	Empfohlene Verdünnungen: WB 1:1000-1:4000 IHC 1:400-1:1600 IF 1:200-1:800
Isotyp: IgG2b	Beobachtete Masse: 43 kDa	
Immunogen Katalognummer: AG13500		

Anwendungen

Geprüfte Anwendungen: FC, IF, IHC, WB, ELISA	Positivkontrollen: WB : MCF-7-Zellen, A431-Zellen, HuH-7-Zellen, HUVEC-Zellen, MDA-MB-231-Zellen, NCI-H1299- Zellen, SH-SY5Y-Zellen, T-47D-Zellen
In Publikationen genannte Anwendungen: IF, IHC, WB	IHC : humanes Lungenkarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Leberkarzinomgewebe
Getestete Reaktivität: Human	IF : MCF-7-Zellen, humanes Lungenkarzinomgewebe
Zitierte Arten: Hausschwein, Human, Ratte, Zebrafisch	
Hinweis-IHC: Antigendemaskierung mit TE- Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

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 associated with microvascular complications of diabetes type 1 (MVCD1). VEGFA has 17 isoforms with MW from 16 to 45 kDa. Some isoforms have homodimer forms (e.g.; VEGFA189 38kDa or VEGFA110 34 kDa). 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 VEGFA isoforms.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Qingrong Zhang	34655915	Colloids Surf B Biointerfaces	WB,IHC
Yongguang Yang	36212390	Front Oncol	WB,IHC
Jingyun Guo	36213383	Open Life Sci	WB

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

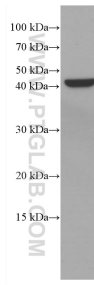
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

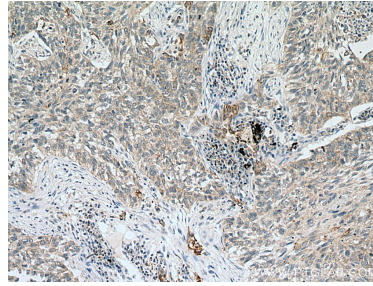
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

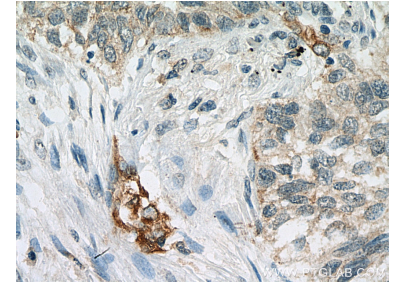
Ausgewählte Validierungsdaten



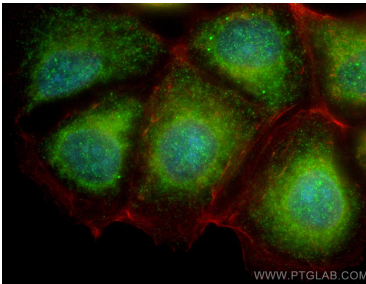
MCF-7 cells were subjected to SDS PAGE followed by western blot with 66828-1-Ig (VEGFA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



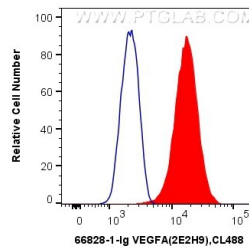
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66828-1-Ig (VEGFA antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66828-1-Ig (VEGFA antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using VEGFA antibody (66828-1-Ig, Clone: 2E2H9) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ MCF-7 cells were intracellularly stained with 0.5 ug Anti-Human VEGFA (66828-1-Ig, Clone:2E2H9) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Mouse IgG2b Isotype Control (66360-3-Ig, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).