

For Research Use Only

VEGFA Polyclonal antibody

Catalog Number: 26381-1-AP

7 Publications



Basic Information

Catalog Number:

26381-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24740

GenBank Accession Number:

BC065522

GeneID (NCBI):

7422

UNIPROT ID:

P15692

Full Name:

vascular endothelial growth factor A

Calculated MW:

412 aa, 46 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, CoIP

Species Specificity:

human

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293T cells, HeLa cells, Jurkat cells

IHC : human liver cancer tissue, human kidney tissue

Background Information

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 (MVC1D1). VEGFA has 17 isoforms with MW from 16 to 45 kDa. Some isoforms have homodimer forms (e.g.; VEGFA189 38 kDa 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Corry D Bondi	36139884	Antioxidants (Basel)	WB
Longyang Jin	34226531	Cell Death Discov	WB
Yu Miao	34434285	Oncol Lett	WB,IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

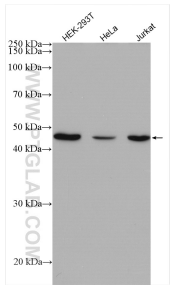
T: 4006900926

E: Proteintech-CN@ptglab.com

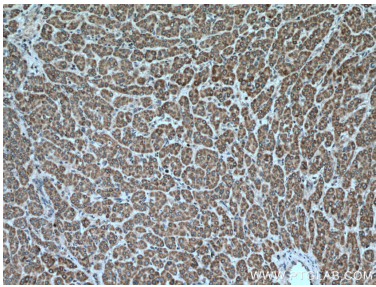
W: ptgcn.com

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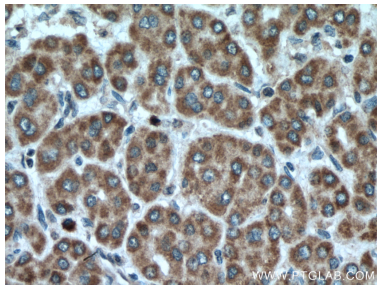
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26381-1-AP (VEGFA antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 26381-1-AP (VEGFA antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 26381-1-AP (VEGFA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).