For Research Use Only

L-VEGFA Polyclonal antibody

Catalog Number:22341-1-AP

3 Publications



Basic Information

Catalog Number: GenBank Accession Number: 22341-1-AP BC065522
Size: GeneID (NCBI): 7422
Source: UNIPROT ID: Rabbit P15692

vascular endothelial growth factor A

Immunogen Catalog Number: Calculated MW:
AG17831 412 aa, 46 kDa
Observed MW:

45 kDa

Full Name:

Applications

Tested Applications: IHC, WB, ELISA
Cited Applications:

WB

Isotype:

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: MCF-7 cells, SH-SY5Y cells

IHC: human liver cancer tissue, human colon cancer

Purification Method:

WB 1:500-1:2000 IHC 1:50-1:500

Antigen affinity purification

Recommended Dilutions:

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 a cause of susceptibility to microvascular complications of diabetes type 1 (MVCD1).

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Zou	32497630	Life Sci	WB
Le Shi	27449032	Tumour Biol	
Hui-Hui Zhang	28833603	Mol Carcinog	WB

Storage

Storage:

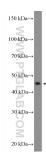
Store at -20°C. Stable for one year after shipment.

Storage Buffer

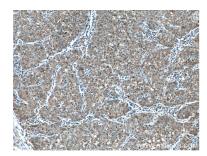
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

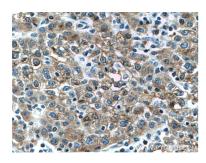
Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 22341-1-AP (L-VEGFA Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 22341-1-AP (L-VEGFA antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 22341-1-AP (L-VEGFA antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).