

For Research Use Only

# L-VEGFA Polyclonal antibody

Catalog Number: 22341-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 22341-1-AP	<b>GenBank Accession Number:</b> BC065522	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 7422	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P15692	
<b>Isotype:</b> IgG	<b>Full Name:</b> vascular endothelial growth factor A	
<b>Immunogen Catalog Number:</b> AG17831	<b>Calculated MW:</b> 412 aa, 46 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, SH-SY5Y cells
<b>Cited Applications:</b> WB	<b>IHC :</b> human liver cancer tissue, human colon cancer tissue
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

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

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