

For Research Use Only

# VEGFA Polyclonal antibody

Catalog Number: 26157-1-AP

16 Publications



## Basic Information

Catalog Number:

26157-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24084

GenBank Accession Number:

NM\_001287056

GeneID (NCBI):

22339

UNIPROT ID:

Q00731

Full Name:

vascular endothelial growth factor A

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, IF

Species Specificity:

mouse, rat

Cited Species:

human, mouse, rat

**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: mouse brain tissue, rat brain tissue

IHC: mouse lung tissue, mouse kidney tissue

## Background Information

Vegfa is a member of the PDGF/VEGF growth factor family. It is a mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis, endothelial cell growth, promoting cell migration, and inhibiting apoptosis. It binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. It may play a role in increasing vascular permeability during lactation, when increased transport of molecules from the blood is required for efficient milk protein synthesis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Li	34480024	Cell Death Dis	WB, IHC
Xuwei Liu	32113683	Biochem Biophys Res Commun	WB
Yunfei Zhang	36049244	J Surg Res	WB

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

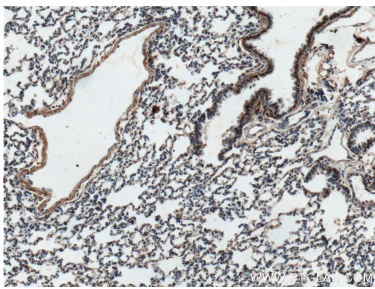
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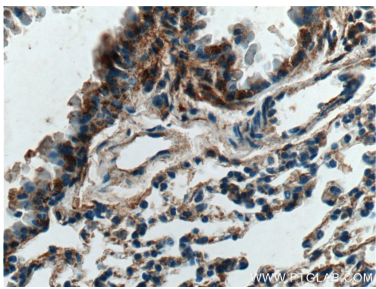
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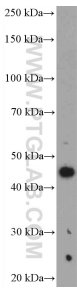
Selected Validation Data



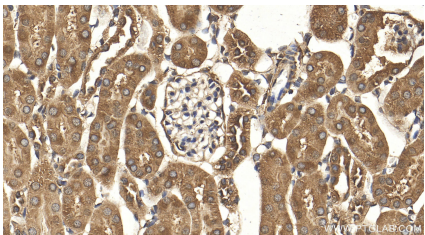
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 26157-1-AP (Vegfa antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 26157-1-AP (Vegfa antibody) at dilution of 1:200 (under 40x lens).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 26157-1-AP (Vegfa Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 26157-1-AP (VEGFA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).