

# Vascular endothelial growth factor A Polyclonal Antibody

Catalog No: #42500

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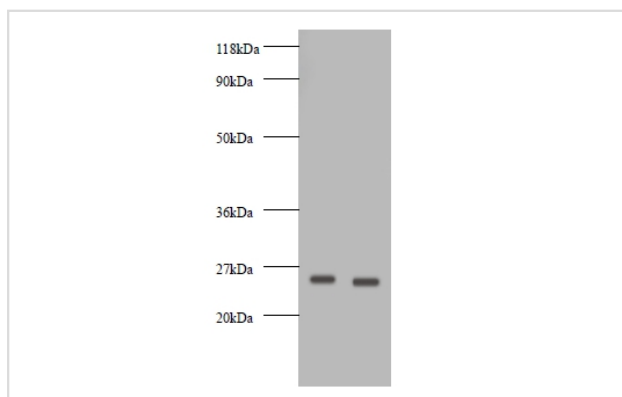
## Description

Product Name	Vascular endothelial growth factor A Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Vascular endothelial growth factor A polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant rat Vascular endothelial growth factor A protein
Target Name	Vascular endothelial growth factor A
Other Names	Vascular permeability factor, Vegfa, Vegf
Accession No.	Swiss-Prot#: P16612
Uniprot	P16612
GenID	83785;
Calculated MW	26kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

## Application Details

Western blotting: □1:500 - 1:1000

## Images



All lanes : Vascular endothelial growth factor A antibody at 2ug/ml

Lane 1 : EC109 whole cell lysate

Lane 2 : 293T whole cell lysate

Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

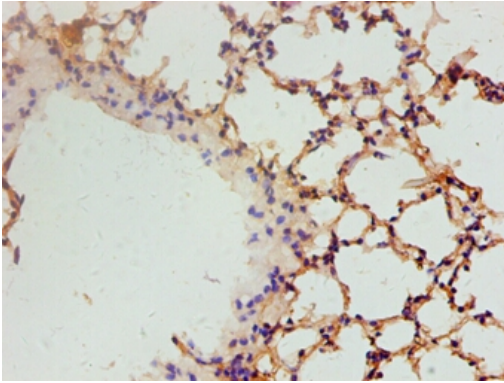
Predicted band size : 26kDa

Observed band size: 26kDa

120kDa  
90kDa  
50kDa  
35kDa  
25kDa  
20kDa



All lanes: Vascular endothelial growth factor A antibody at 2ug/ml+mouse kidney tissue  
Secondary  
Goat polyclonal to rabbit IgG at 1/10000 dilution  
Predicted band size:26kDa  
Observed band size:26kDa



Immunohistochemical analysis of paraffin-embedded mouse lung using #42500 at dilution of 1:100.

## Background

Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. 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.

## References

[1] "Amino acid and cDNA sequences of a vascular endothelial cell mitogen that is homologous to platelet-derived growth factor."Conn G., Bayne M.L., Soderman D.D., Kwok P.W., Sullivan K.A., Palisi T.M., Hope D.A., Thomas K.A.Proc. Natl. Acad. Sci. U.S.A.

Note: This product is for in vitro research use only