

For Research Use Only

# VEGFR3/FLT4 Polyclonal antibody

Catalog Number: 20712-1-AP

15 Publications



## Basic Information

Catalog Number:

20712-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_002020

GeneID (NCBI):

2324

UNIPROT ID:

P35916

Full Name:

fms-related tyrosine kinase 4

Calculated MW:

153 kDa

Observed MW:

125 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, deer

Positive Controls:

WB : mouse spleen tissue, PC-3 cells, HeLa cells, mouse heart tissue

## Background Information

FLT4, also named VEGFR-3, belongs to the protein kinase superfamily, Tyr protein kinase family, and CSF-1/PDGF receptor subfamily. It is a receptor for VEGFC. FLT4 has a tyrosine-protein kinase activity. Defects in FLT4 cause lymphedema hereditary type 1 (LYH1A). Defects in FLT4 are found in juvenile hemangioma. VEGFR-3 is a highly glycosylated protein and migrates as bands with different molecular weights: an ~175 kDa precursor, an ~195 kDa mature form, an ~140 kDa non-glycosylated backbone, and a form that appears to be partially cleaved proteolytically in the extracellular domain to produce an ~125 kDa band (PMID: 15389531).

## Notable Publications

Author	Pubmed ID	Journal	Application
Bingling Dai	27460008	Oncol Rep	
Jianfeng Zhao	26622498	Exp Ther Med	WB
Nada Amri	35337162	Pharmaceuticals (Basel)	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

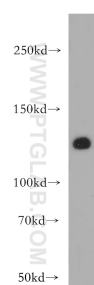
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



mouse spleen tissue were subjected to SDS PAGE followed by western blot with 20712-1-AP (VEGFR3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.