

For Research Use Only

VEGFR3/FLT4 Polyclonal antibody

Catalog Number: 20712-1-AP

16 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

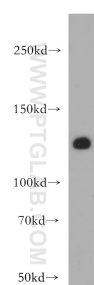
For technical support and original validation data for this product please contact:

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

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.