Product Name: Flt-4 Rabbit Polyclonal Antibody
Catalog #: APRab11039

Summary

Production Name	Flt-4 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	FLT4 VEGFR3
Alternative Names	Vascular endothelial growth factor receptor 3 (VEGFR-3;EC 2.7.10.1;Fms-like tyrosine kinase 4;FLT-4;Tyrosine-protein kinase receptor FLT4)
Gene ID	2324.0
SwissProt ID	P35916.Synthetic peptide from human protein at AA range: 640-700

Application

Dilution Ratio	WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000.
Molecular Weight	170kD

Background

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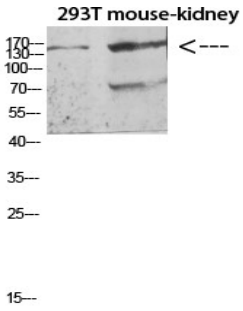
This gene encodes a tyrosine kinase receptor for vascular endothelial growth factors C and D. The protein is thought to be involved in lymphangiogenesis and maintenance of the lymphatic endothelium. Mutations in this gene cause hereditary lymphedema type IA. [provided by RefSeq, Jul 2008],catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:Defects in FLT4 are found in juvenile hemangioma. Juvenile hemangiomas are the most common tumors of infancy, occurring as many as 10% of all births. These benign vascular lesions enlarge rapidly during the first year of life by hyperplasia of endothelial cells and attendant pericytes, and then spontaneously involute over a period of years, leaving loose fibrofatty tissue.,disease:Defects in FLT4 are the cause of lymphedema hereditary type 1 (LYH1A) [MIM:153100]; also known as Nonne-Milroy lymphedema or Milroy disease. Hereditary lymphedema is a chronic disabling condition which results in swelling of the extremities due to altered lymphatic flow. Patients with lymphedema suffer from recurrent local infections and physical impairment.,function:Receptor for VEGFC. Has a tyrosine-protein kinase activity.,online information:FLT4 entry,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 7 Ig-like C2-type (immunoglobulin-like) domains.,tissue specificity:Placenta, lung, heart, and kidney, does not seem to be expressed in pancreas and brain.,

Research Area

Cytokine-cytokine receptor interaction;Focal adhesion;

Image Data



Western blot analysis of K562 3T3 lysate, antibody was diluted at 500. Secondary antibody was diluted at 1:20000

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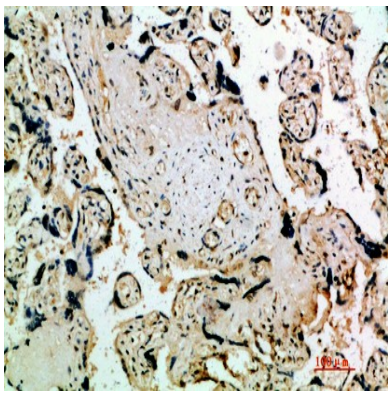

Immunohistochemical analysis of paraffin-embedded human-placenta, antibody was diluted at 1:200

Note

For research use only.