



Flt-4 Monoclonal Antibody

Catalog No	YP-mAb-13759
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	FLT4 VEGFR3
Immunogen	Synthetic peptide from human protein at AA range: 640-700
Specificity	The antibody detects endogenous Flt-4
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	VEGFR3;FLT4 VEGFR3;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);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)
Observed Band	170kD
Calculated Molecular Weight	170kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein. Cytoplasm . Nucleus . Ligand-mediated autophosphorylation leads to rapid internalization. .; [Isoform 1] : Cell membrane; Single-pass type I membrane protein. Ligand-mediated autophosphorylation leads to rapid internalization.; [Isoform 2]: Cell membrane; Single-pass type I membrane protein.; [Isoform 3]: Secreted. Cytoplasm.
Tissue Specificity	Detected in endothelial cells (at protein level). Widely expressed. Detected in fetal spleen, lung and brain. Detected in adult liver, muscle, thymus, placenta, lung, testis, ovary, prostate, heart, and kidney.
Function	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

Background

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],

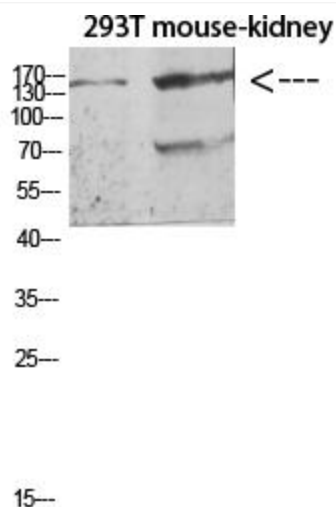
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Flt-4 Monoclonal Antibody