



Flt-1 rabbit pAb

Cat No.:ES5317

For research use only

Overview

Product Name	Flt-1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human VEGFR1. AA range:1016-1065
Specificity	Flt-1 Polyclonal Antibody detects endogenous levels of Flt-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Vascular endothelial growth factor receptor 1
Gene Name	FLT1
Cellular localization	[Isoform 1]: Cell membrane; Single-pass type I membrane protein. Endosome. Autophosphorylation promotes ubiquitination and endocytosis.; [Isoform 2]: Secreted .; [Isoform 3]: Secreted.; [Isoform 4]: Secreted.; [Isoform 5]: Cytoplasm .; [Isoform 6]: Cytopl
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	150kD
Human Gene ID	2321
Human Swiss-Prot Number	P17948
Alternative Names	FLT1; FLT; FRT; VEGFR1; Vascular endothelial growth factor receptor 1; VEGFR-1; Fms-like tyrosine kinase

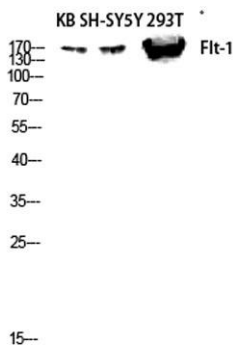




Background

1; FLT-1; Tyrosine-protein kinase FRT; Tyrosine-protein kinase receptor FLT; FLT; Vascular permeability factor receptor

This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia.[provided by RefSeq, May 2009],

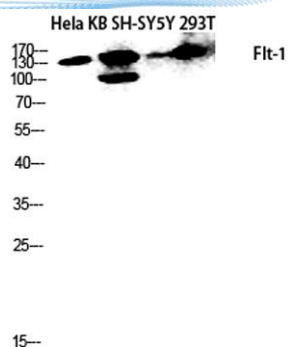


Western blot analysis of KB SH-SY5Y 293T lysis using Flt-1 antibody. Antibody was diluted at 1:1000



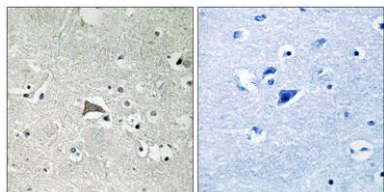


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Western blot analysis of HeLa KB SH-SY5Y 293T lysis using Flt-1 antibody. Antibody was diluted at 1:1000

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using VEGFR1 Antibody. The picture on the right is blocked with the synthesized peptide.



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