

Product datasheet for **AP06592PU-N**

VEGF Receptor 1 (FLT1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 1320-1370 of Human VEGFR1.
Specificity:	This antibody detects endogenous levels of VEGFR1 protein. (region surrounding Tyr1327)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 180 kDa
Gene Name:	fms related tyrosine kinase 1
Database Link:	Entrez Gene 2321 Human P17948



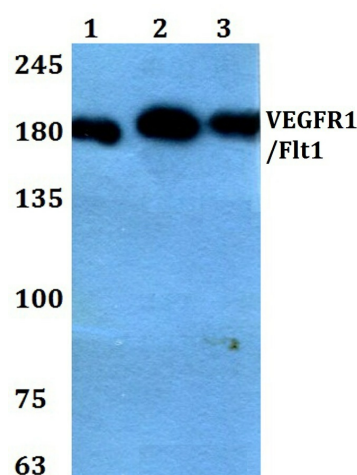
Background:

Three cell membrane receptor tyrosine kinases, Flt (also designated VEGF-R1), Flk-1 (also designated VEGF-R2) and Flt-4, putatively involved in the growth of endothelial cells, are characterized by the presence of seven immunoglobulinlike sequences in their extracellular domain. These receptors exhibit high degrees of sequence relatedness to each other as well as lesser degrees of relatedness to the class III receptors, including CSF-1/Fms, PDGR, SLFR/Kit and Flt-3/Flk-2. Two members of this receptor class, Flt-1 and Flk-1, have been shown to represent high affinity receptors for vascular endothelial growth factors (VEGFs). On the basis of structural similarity to Flt and Flk-1, it has been speculated that Flt-4 might represent a third receptor for either VEGF or a VEGF-related ligand.

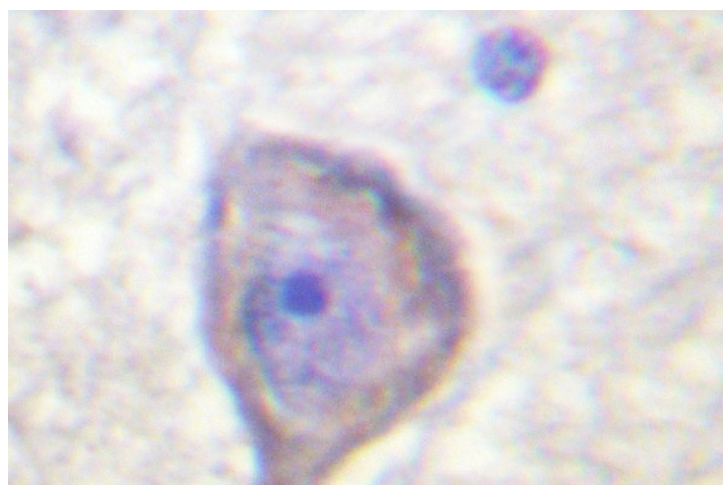
Synonyms:

VEGFR1, FLT1, FLT, FRT, VEGF Receptor 1

Product images:



Western blot (WB) analysis of VEGFR1 antibody at 1/500 dilution Lane 1:HEK293T whole cell lysate Lane 2:Raw264.7 whole cell lysate Lane 3:H9C2 whole cell lysate



Immunohistochemistry (IHC) analyzes of VEGFR1 antibody in paraffin-embedded human breast tissue.