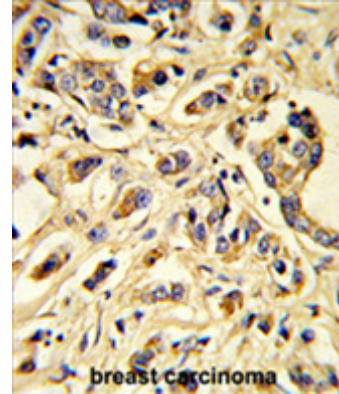


AP54509PU-N**Polyclonal Antibody to VEGFR-1 / Flt-1 - Purified**

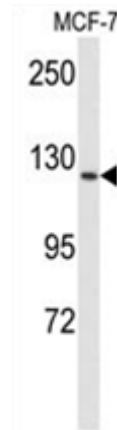
Alternate names:	FLT, FLT1, FRT, Fms-like tyrosine kinase 1, Tyrosine-protein kinase FRT, Tyrosine-protein kinase receptor FLT, VEGF Receptor 1, VEGFR1, Vascular endothelial growth factor receptor 1, Vascular permeability factor receptor
Quantity:	0.4 ml
Concentration:	lot specific
Background:	VEGFR1 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.
Uniprot ID:	P17948
NCBI:	NP_002010
GeneID:	2321
Host / Isotype:	Rabbit / Ig
Immunogen:	VEGFR1 his fusion protein
Format:	State: Liquid Ig fraction Purification: Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) Sodium Azide as preservative
Applications:	ELISA: 1/1000. Western blot: 1/50-1/100. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects VEGFR-1 / Flt-1.
Species Reactivity:	Tested: Human
Add. Information:	Molecular Weight: 150;769 Da
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Srinivas,S.K., et.al., Am. J. Obstet. Gynecol. 202 (5), 445 (2010). 2. Gomez,L.M., et.al., Am. J. Obstet. Gynecol. 202 (4), 386 (2010). 3. Al-Ani,B., et.al., Hypertension 55 (3), 689-697 (2010). 4. Wong,N.S., et.al., J. Clin. Oncol. 28 (5), 723-730 (2010).

Pictures:

Formalin-fixed and paraffin-embedded human breast carcinoma reacted with VEGFR1 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western blot analysis of VEGFR1 Antibody (AP54509PU-N) in MCF-7 cell line lysates (35 µg/lane). VEGFR1 (arrow) was detected using the purified Pab.



VEGFR1 Antibody (AP54509PU-N) flow cytometric analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram) FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

