

Product datasheet for DP077

VEGF Receptor 1 (FLT1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Formalin-Fixed Paraffin Embedded Tissues: Use a dilution of 1/50-1/100 in an ABC method (incubation period of 30 minutes at room temperature). Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0, prior to immunostaining. <i>Recommended Positive Control:</i> Angiosarcoma. Also useful for Western blotting.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide derived from the C-terminus of the Flt-1 precursor of human origin
Specificity:	This antibody reacts with a 180 kD protein, known as Flt-1/Vascular Endothelial Growth Factor Receptor 1. Cellular localization: cytoplasmic.
Formulation:	State: Purified State: Liquid purified Ig fraction with Sodium Azide as preservative.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: One year from despatch.
Gene Name:	fms related tyrosine kinase 1
Database Link:	Entrez Gene 2321 Human P17948



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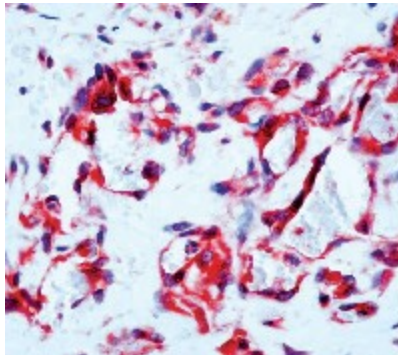
Background:

VEGF Receptor 1 (also known as FLT) belongs to the src gene family and shows tyrosine protein kinase activity that is important for the control of cell proliferation and differentiation. The protein acts as a receptor for VEGF, VEGFB and PGF. An alternatively spliced form of the gene produces a soluble protein (sFlt1) which binds vascular endothelial growth factor (VEGF) with high affinity. sFlt1 has a higher affinity for VEGF indicating that it may function as an inhibitor in the VEGF response. VEGF Receptor 1 is specifically expressed in most vascular endothelial cells and peripheral blood monocytes.

Flt-1 is a cell membrane receptor kinase. Flk-1 has a high affinity receptor for vascular endothelial growth factor and is putatively involved in the growth of endothelial cells and angiogenesis.

Synonyms:

VEGFR1, FLT1, FLT, FRT, VEGF Receptor 1

Product images:

Formalin fixed paraffin embedded human angiosarcoma stained with Flt-1 antibody DP077 / DP077-05