

Flt-1/VEGFR1 Rabbit pAb

CatalogNo: YT1728

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 150kD (Observed)

Isotype

- IgG

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:5000

IF 1:50-200

Basic Information

Clonality

Polyclonal

Immunogen Information

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.

Target Information

Gene name	FLT1		
Protein Name	Vascular endothelial growth factor receptor 1		
	Organism	Gene ID	UniProt ID
	Human	2321 ;	P17948 ;
	Mouse	14254 ;	P35969 ;
	Rat	54251 ;	P53767 ;
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]: Cytoplasm .; [Isoform 7]: Cytoplasm .		
Tissue specificity	Detected in normal lung , but also in placenta , liver , kidney , heart and brain tissues. Specifically expressed in most of the vascular endothelial cells , and also expressed in peripheral blood monocytes. Isoform 2 is strongly expressed in placenta. Isoform 3 is expressed in corneal epithelial cells (at protein level) . Isoform 3 is expressed in vascular smooth muscle cells (VSMC) .		
Function	Alternative products:Additional isoforms seem to exist ,Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. ,Function:Receptor for VEGF , VEGFB and PGF. Has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. Isoform sFlt1 may have an inhibitory role in angiogenesis. ,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. ,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily. ,similarity:Contains 1 protein kinase domain. ,similarity:Contains 7 Ig-like C2-type (immunoglobulin-like) domains. ,subunit:Interacts in vitro with various phosphotyrosine-binding proteins , including PLC-gammas , PTPN11 , GRB2 , CRK and NCK1. ,tissue specificity:Mostly in normal lung , but also in placenta , liver , kidney , heart and brain tissues. Specifically expressed in most of the vascular endothelial cells , and also expressed in peripheral blood monocytes. It is not expressed in tumor cell lines. Isoform sFlt1 is strongly expressed in placenta. ,		

Validation Data

Contact information

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**Flt-1/VEGFR1 Rabbit
 pAb**

