

产品名称: Flk-1/Flt-4 (phospho Tyr1054/Y1063) Rabbit
Polyclonal Antibody
产品货号: APRab04681



产品概述 (Summary)

产品名称 (Production Name)	Flk-1/Flt-4 (phospho Tyr1054/Y1063) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	KDR/FLT4
别名 (Alternative Names)	KDR; FLK1; VEGFR2; Vascular endothelial growth factor receptor 2; VEGFR-2; Fetal liver kinase 1; FLK-1; Kinase insert domain receptor; KDR; Protein-tyrosine kinase receptor flk-1; CD antigen CD309; FLT4; VEGFR3; Vascular endothelial growth
基因 ID (Gene ID)	3791/2324
蛋白 ID (SwissProt ID)	P35968/P35916. The antiserum was produced against synthesized peptide derived from human VEGFR2 around the phosphorylation site of Tyr1054. AA range: 1020-1069

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稀释比 (Dilution Ratio)

IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:20000-1:40000

蛋白分子量 (Molecular Weight)

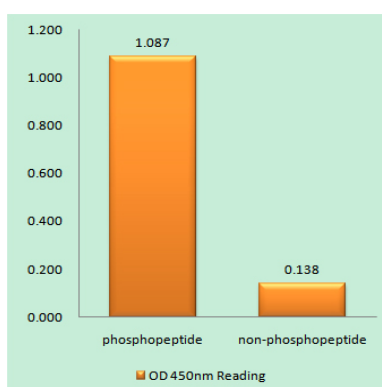
研究背景 (Background)

Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin α V β 3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas. [provided by RefSeq, May 2009], catalytic activity: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate, function: Receptor for VEGF or VEGFC. 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. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions, 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 with MYOF (By similarity). Interacts with SHB; upon VEGF activation. Interacts with HIV-1 Tat,

研究领域 (Research Area)

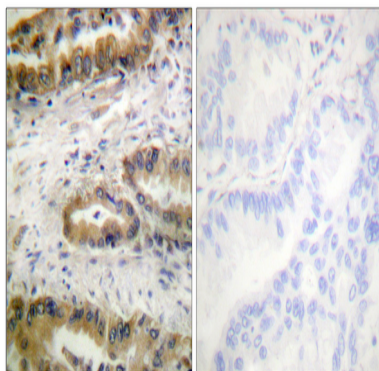
Cytokine-cytokine receptor interaction; Endocytosis; VEGF; Focal adhesion;

图片 (Image Data)



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using VEGFR2 (Phospho-Tyr1054) Antibody

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Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using VEGFR2 (Phospho-Tyr1054) Antibody. The picture on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only .