

Anti-VEGFR2/Flk-1 Rabbit pAb



WL02294

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-VEGFR2/Flk-1 Rabbit pAb
Source	Rabbit
Species reactivity	Human
Tested applications	Western blot 1:500 Immunohistochemistry 1:100
	<i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i>
Molecular Wt.	151 kDa
Pack size	50/100/200/500/1000µl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background	Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. VEGFR2 gene encodes one of the two receptors of the VEGF. 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). In response to VEGF binding, Flk-1 undergoes autophosphorylation in the kinase insert domain on Tyr 951 and Tyr 996 and in the tyrosine kinase catalytic domain on Tyr 1054 and Tyr 1059. Upon activation, Flk-1 recruits several adapter proteins, including Shc, Grb2, Nck and protein tyrosine phosphatases SHP-1 and SHP-2. The mediation of VEGF signaling by Flk-1 promotes proliferation, chemotaxis, prouting and angiogenesis.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of VEGFR2/Flk-1.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

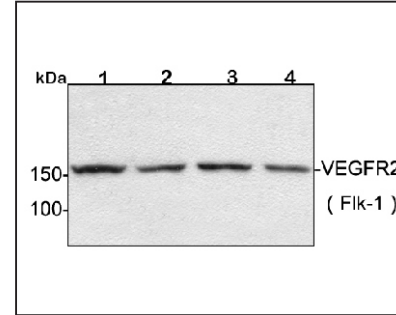
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Product Images



Western blot-Anti-VEGFR2/Flk-1 pAb

Lane 1: Human HepG2 cell lysate 30µg

Lane 2: Human HeLa cell lysate 30µg

Lane 3: Human BGC-823 cell lysate 30µg

Lane 4: Human MGC-803 cell lysate 30µg

Separation gel: 6% polyacrylamide

Electrophoresis: 100V, 4°C, 3h

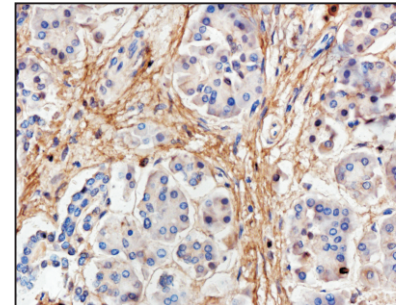
Transmembrane: 100V, 4°C, 1h

Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking

Primary antibody: 1:500 in blocking buffer, 4°C, overnight

Secondary antibody (WLA023a) : 1:5000-1:10000, 45min

Detection: ECL, 30s-2min



Immunohistochemistry-Anti-VEGFR2/Flk-1 pAb

Sample: Human pancreatic cancer tissue

Antigen retrieval: pH 9.0 Tris-EDTA buffer

Primary antibody: 1:100, 4°C, overnight

Secondary antibody-Biotin: 1:150, 37°C, 1h

Streptavidin-HRP: 1:200, 37°C, 30min

Color Developing: DAB