

## Anti-VEGFR2/KDR Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow)
Molecular Weight:	Theoretical: 147 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Tissue/cell: Human esophageal cancer tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-VEGFR2 Polyclonal Antibody, Unconjugated (TMAB-01957) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C. DAPI (5 µg/ml,blue) was used to stain the cell nucleus.
Application:	FCM
Recommended	FCM: 1µg/Test

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human VEGFR2
Antigen Species:	Human
Gene ID:	3791
Uniprot ID:	P35968
Synonyms:	VEGFR;Flk-1;CD309;kinase insert domain receptor;VEGFR2;FLK1
Biology Area:	Response to hypoxia,VEGF,Angiogenic growth factors,Growth factor receptors,Endothelial Cell Markers,VEGF Receptors,Endothelial Cells,Hypoxia,Host Virus Interaction,VEGF,Receptor Tyrosine Kinases,Endothelial Markers,Surface Molecules

## Research 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 alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas. [provided by RefSeq, May 2009].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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