Data Sheet (Cat.No.TMAB-01958)

Anti-VEGFR2/KDR Polyclonal Antibody 2

Product Details

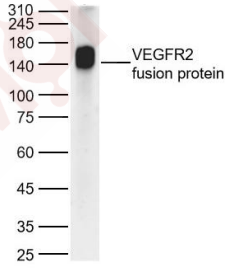
Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 147 kDa. Actual: 147 kDa.
Purification:	Protein A purified

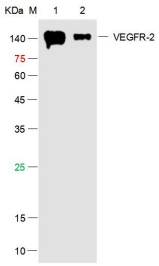
Applications

Verified Activity:

1. Sample:
Lane 1: Recombinant human VEGFR2 protein, His (HEK293)
Primary: Anti-VEGFR2 (TMAB-01958) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 147 kDa
Observed band size: 147 kDa

2. Sample:
Lane 1: Recombinant Human VEGFR2 Protein at 500ng
Lane 2: Recombinant Human VEGFR2 Protein at 50ng
Primary: Rabbit Anti-VEGFR-2 Polyclonal Antibody at 1/1000 dilution (Cat.TMAB-01958)
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 87 kDa
Observed band size: 125-155 kD





Application:	WB
Recommended	WB: 1:500-2000

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;kinase insert domain receptor;VEGFR2;Flk-1;FLK1;CD309
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].

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