Datasheet for ABIN1589863

anti-VEGFR2/CD309 antibody (Soluble)

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Overview

Quantity:	100 µg
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	Soluble
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	VEGFR-2/Flk-1 (Peptide), soluble antibody
Immunogen:	Peptide: GMEASLGDRIAMP
Isotype:	IgG
Specificity:	Peptide: GMEASLGDRIAMP
Characteristics:	Chromosomal location: 5 C3.3, 5 42.0 cM Produced from sera of rabbits immunised with a peptide of the C-terminal end of native mouse soluble VEGFR-2/Flk-1 (GMEASLGDRIAMP).
Purification:	Anti-human soluble VEGFR-2/KDR was purified by affinity chromatography with immobilized Protein A.

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	VEGFR-2/Flk-1 (VEGFR2 Products)
Background:	Soluble vascular endothelial growth factor receptor-2 , soluble Kdr, soluble Ly73, soluble Flk-1, sVEGFR2, sVEGF receptor 2, soluble kinase insert domain protein receptor,The antibody recognizes solely the endogenous soluble form of mouse vascular endothelial growth factor receptor 2, alos known as CD309, VEGFR2, KDR, protein tyrosine kinase receptor flk-1, and fetal liver kinase-1. The endogenous soluble mouse esFlk-1 generated by alternative splicing consists of the first 6 Ig-like loops followed by the unique C-terminal end: GMEASLGDRIAMP. Flk-1 is a member of the tyrosine protein kinase family, sub-family CSF-1/PDGF, that contains a single pass transmembrane receptor with a protein kinase domain and seven immunoglobulin-like domains in the extracellular region. Flk-1 is expressed at high levels in adult heart, lung, kidney, brain, and skeletal muscle, other tissues express at lower levels. Flk-1 is a receptor for VEGF-A or fully processed VEGF-C, ligand binding plays a key role in vascular development and vascular permeability.
Gene ID:	16542
UniProt:	P35918
Pathways:	RTK Signaling, Glycosaminoglycan Metabolic Process, Signaling Events mediated by VEGFR1 and VEGFR2, Growth Factor Binding, Regulation of long-term Neuronal Synaptic Plasticity, VEGF Signaling

Application Details

Application Notes:	Western Blot: use at 1-5 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS
Handling Advice:	Centrifuge vial prior to opening.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	The lyophilized antibody is stable for at least 2 years at -20°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.
Expiry Date:	24 months