Datasheet for ABIN1589803

anti-VEGFR2/CD309 antibody (Soluble)

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Overview

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

Product Details

Purpose:	VEGFR-2/KDR (Peptide), soluble antibody
Immunogen:	Peptide: CGRETILDHSAEAVGMP.
Isotype:	IgG
Specificity:	Peptide: CGRETILDHSAEAVGMP.
Characteristics:	Chromosomal location: 4q11-q12 Produced from sera of rabbits immunised with a peptide of the C-terminal end of native human soluble VEGFR-2/KDR (CGRETILDHSAEAVGMP).
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/KDR (VEGFR2 Products)
Background:	Soluble vascular endothelial growth factor receptor-2 , soluble KDR, soluble FLK1, soluble CD309, VEGF receptor 2, sKDR,VEGF R1 (Flt-1), VEGF R2 (KDR/Flk-1), and VEGF R3 (Flt-4) belong to the class III subfamily of receptor tyrosine kinases (RTKs). All three receptors contain seven immunoglobulin-like repeats in their extracellular domain and kinase insert domains in their intracellular region. They are best known for regulating VEGF family-mediated vasculogenesis, angiogenesis, and lymphangiogenesis. They are also mediators of neurotrophic activity and regulators of hematopoietic development. Human VEGF R2 is thought to be the primary inducer of VEGF-mediated blood vessel growth, while VEGF R3 plays a significant role in VEGF-C and VEGF-D-mediated lymphangiogenesis.
Gene ID:	3791
NCBI Accession:	NM_002253, NP_002244
UniProt:	P35968
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 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
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

Handling

	when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.
Expiry Date:	24 months