Datasheet for ABIN3031548

anti-VEGFR2/CD309 antibody (AA 1153-1182)

3 Images

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Overview

Quantity:	0.4 mL
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	AA 1153-1182
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 1153-1182 from the human protein was used as the immunogen for this KDR antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	KDR (VEGFR2 Products)
Background:	KDR is a major growth factor for endothelial cells. This protein encodes one of the two receptors of the KDR. 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

Target Details

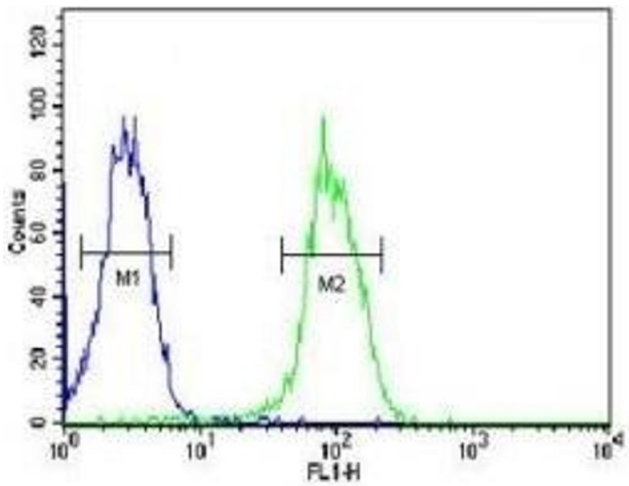
	proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc..
UniProt:	P35968
Pathways:	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:	Titration of the KDR antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only

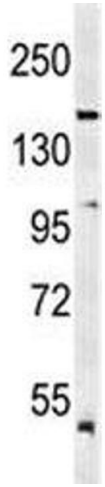
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the KDR antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



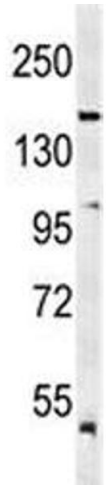
Flow Cytometry

Image 1. KDR antibody flow cytometric analysis of MDA-MB435 cells (green) compared to a negative control (blue).



Western Blotting

Image 2. Western blot analysis of KDR antibody and mouse lung tissue lysate. Predicted molecular weight ~152 kDa.



Western Blotting

Image 3. Western blot analysis of KDR antibody and mouse lung tissue lysate. Predicted molecular weight ~152 kDa.