

Datasheet for ABIN6941304
anti-VEGFR2/CD309 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	VEGFR2/CD309 (VEGFR2)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Western Blotting (WB), Neutralization (Neut), Binding Studies (Bind)

Product Details

Immunogen:	Recombinant full-length Mouse VEGFR2 protein
Clone:	DC101
Isotype:	IgG1 kappa
Specificity:	This MAb is specific to Mouse VEGFR2/FLK-1/CD309 and does not cross-react with FLK-2. VEGFR2 is a type I transmembrane glycoprotein. It is a member of the CSF-1/PDGF receptor family of type III tyrosine kinase receptors. Endothelial cells, embryonic tissues, and megakaryocytes mainly express VEGFR2. It plays an important role in the regulation of angiogenesis, vasculogenesis, and vascular permeability. The ligands of VEGFR2 include VEGF-A, VEGF-C, VEGF-D, and VEGF splice isoforms. Ligation of VEGFR2 with its ligands results in the receptor dimerization and auto-phosphorylation, stimulating endothelial cell proliferation and migration.
Purification:	Purified by Protein A/G

Target Details

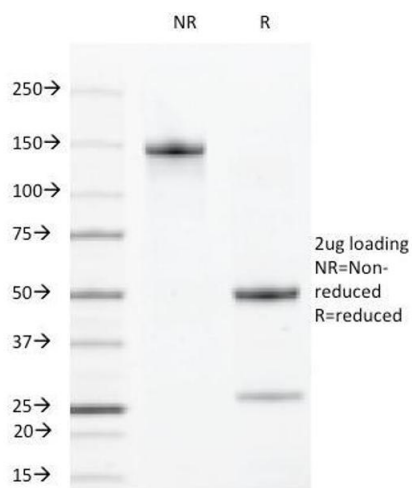
Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	Kdr (VEGFR2 Products)
Molecular Weight:	180-190kDa
Gene ID:	16542, 35918
Pathways:	RTK Signaling , Glycosaminoglycan Metabolic Process , Signaling Events mediated by VEGFR1 and VEGFR2 , Growth Factor Binding , Regulation of long-term Neuronal Synaptic Plasticity , VEGF Signaling

Application Details

Application Notes:	Positive Control: Mouse epidermoid, renal cell carcinoma, pancreatic or glioblastoma cells. Known Application: Western Blot (Non-reducing) (2-5 µg/mL), Blocks Binding of VEGF to VEGF-R2 (Order Ab without BSA & Azide), Inhibits VEGF-induced Signaling (Order Ab without BSA & Azide), Blocks Tumor Growth in mice (Order Ab without BSA & Azide), Neutralizing, Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % 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:	4 °C, -80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified VEGFR2 Rat Monoclonal Antibody (DC101). Confirmation of Purity and Integrity of Antibody.