

Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR) Antibody

Catalogue No.: abx110345

Vascular Endothelial Growth Factor Receptor 2 (VEGFR2/KDR) Antibody is a Rabbit Polyclonal antibody against Vascular Endothelial Growth Factor Receptor 2 (VEGFR-2/KDR). Recombinant Human VEGFR2 Protein Tyrosine-Protein Kinase That Acts As A Cell-Surface Receptor For Vegfa, Vegfc And Vegfd Plays An Essential Role In The Regulation Of Angiogenesis, Vascular Development, Vascular Permeability, And Embryonic Hematopoiesis Promotes Proliferation, Survival, Migration And Differentiation Of Endothelial Cells Promotes Reorganization Of The Actin Cytoskeleton Isoforms Lacking A Transmembrane Domain, Such As Isoform 2 And Isoform 3, May Function As Decoy Receptors For Vegfa, Vegfc And/Or Vegfd Isoform 2 Plays An Important Role As Negative Regulator Of Vegfa- And Vegfc-Mediated Lymphangiogenesis By Limiting The Amount Of Free Vegfa And/Or Vegfc And Preventing Their Binding To Flt4 Modulates Flt1 And Flt4 Signaling By Forming Heterodimers Binding Of Vascular Growth Factors To Isoform 1 Leads To The Activation Of Several Signaling Cascades Activation Of Plcg1 Leads To The Production Of The Cellular Signaling Molecules Diacylglycerol And Inositol 1,4,5-Trisphosphate And The Activation Of Protein Kinase C Mediates Activation Of Mapk1/Erk2, Mapk3/Erk1 And The Map Kinase Signaling Pathway, As Well As Of The Akt1 Signaling Pathway Mediates Phosphorylation Of Pik3R1, The Regulatory Subunit Of Phosphatidylinositol 3-Kinase, Reorganization Of The Actin Cytoskeleton And Activation Of Ptk2/Fak1 Required For Vegfa-Mediated Induction Of Nos2 And Nos3, Leading To The Production Of The Signaling Molecule Nitric Oxide (No) By Endothelial Cells Phosphorylates Plcg1 Promotes Phosphorylation Of Fyn, Nck1, Nos3, Pik3R1, Ptk2/Fak1 And Src.

Target:	Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, IHC
Host:	Rabbit
Recommended dilutions:	IHC: 1/20 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant human Vascular endothelial growth factor receptor 2 protein (20-764AA).
Isotype:	IgG
Form:	Liquid
Purity:	> 95%
Purification:	Purified by Protein G.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 2.0.0

Revision date: 22 Aug 2025



UniProt Primary AC: P35968 ([UniProt](#), [ExPASy](#))

Gene Symbol: KDR

GeneID: [3791](#)

OMIM: [191306](#)

NCBI Accession: NP_002244.1, NM_002253.2

KEGG: hsa:3791

String: [9606.ENSP00000263923](#)

Enzyme Commission Number: EC 2.7.10.1, EC 2.7.10

Buffer: 0.01 M PBS, pH 7.4, 0.03% Proclin-300 and 50% Glycerol.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.