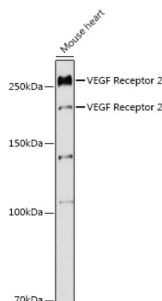


Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR) Antibody

Catalogue No.: abx004288



Western blot analysis of lysates from Mouse heart, using VEGF Receptor 2 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 180s.

Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR) Antibody is a Rabbit Polyclonal antibody against Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR). Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. 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 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. Mutations of this gene are implicated in infantile capillary hemangiomas.

Target:	Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1150-1250 of human VEGF Receptor 2.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 7.0.0
Revision date: 11 Mar 2025



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

Gene Symbol: KDR

GeneID: [3791](#)

NCBI Accession: NP_002244.1

KEGG: hsa:3791

String: [9606.ENSP00000263923](#)

Enzyme Commission Number: EC 2.7.10.1, EC 2.7.10

Molecular Weight: Calculated MW: 152 kDa
Observed MW: 210/230 kDa

Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: > 0.2 mg/ml

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

For Reference Only