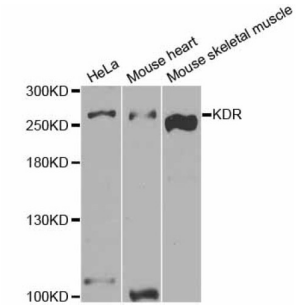
Vascular Endothelial Growth Factor Receptor 2 / VEGFR2 (KDR) Antibody

Catalogue No.:abx004288



Western blot analysis of extracts of various cell lines, using KDR antibody (abx004288) at 1/1000 dilution.

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:	WB
Host:	Rabbit
Recommended dilutions:	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.

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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.

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