

Rabbit KDR Polyclonal Antibody | anti-KDR antibody

KDR antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201730	Rabbit	Tested Reactivity: Human Predicted Reactivity: Cow, Dog, Horse, Human, Pig	Western Blot, Immunohistochemistry

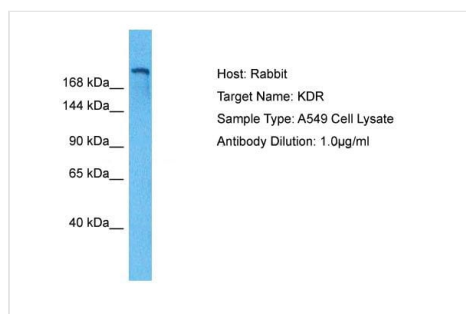
PRODUCT SYNONYMS

KDR; Polyclonal Antibody; KDR antibody - N-terminal region; anti-KDR antibody

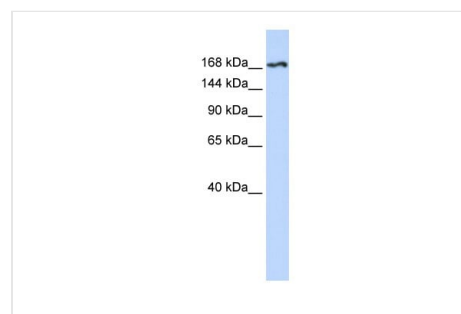
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Reactivity: Human Predicted Reactivity: Cow, Dog, Horse, Human, Pig
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	Batch dependent within range: 100 ul at 0.5 - 1 mg/ml (varies by lot)
Applicable Applications for anti-KDR antibody	WB (Western Blot), IHC (Immunohistochemistry)
Protein Size (# AA)	1356 amino acids
Protein Interactions	FBXO25; VEGFA; MYO1C; CAV1; NPM1; EPN1; SRC; CBL; IQGAP1; UBC; CSNK1D; FBXW11; BTRC; CUL1; AIMP2; SHC2; SYNGAP1; ACP1; ATR; FRS2; SH2D2A; DNM2; NRP1; VEGFC; GRB10; CDH5; GNAQ; SHC1; STAT1; NCK1; SHB; PLCG2; P2RY2; BMX; FIGF; KDR; TIMP3; PTPN6; PTPN11; ITG
Blocking Peptide	For anti-KDR antibody is Homology
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human KDR.
Replacement Item	This antibody may replace item sc-19530 from Santa Cruz Biotechnology.
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

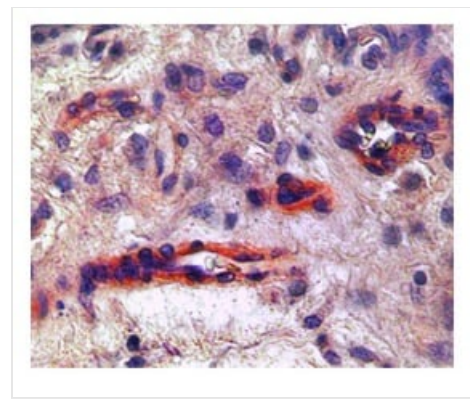
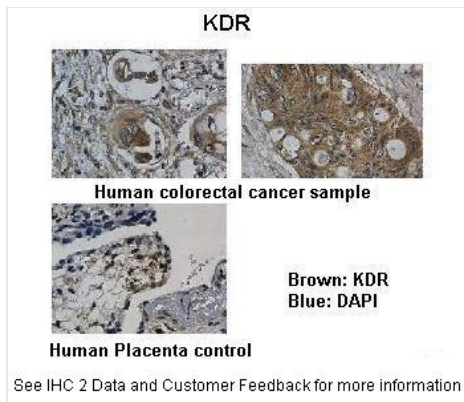
IMAGES



WB (Western Blot)
Human A549 Whole Cell



WB (Western Blot)
WB Suggested Anti-KDR Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Human Lung



IHC (Immunohistochemistry)
 Researcher: Department of Pathology, Hospital de Carabineros de Chile, Santiago, Chile
 Application: IHC
 Species+Tissue/Cell type: Control-Human Placenta, Sample-Human colorectal cancer
 Primary antibody dilution: 1:100
 Secondary antibody: Biotinylated pig anti-rabbit+streptavidin-HRP

IHC (Immunohistochemistry)
 KDR in endothelial cells in blood vessels in placenta was detected using HRP/AEC red color stain. recommended for IHC on human tissue. 5-10 ug/mL

ADDITIONAL INFORMATION

Related Product Information for anti-KDR antibody	KDR is the receptor for VEGF or VEGFC. It has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.
Product Categories/Family for anti-KDR antibody	Polyclonal; Signal Proteins; Cardiovascular; Cell Biology; Developmental Biology; Signal Transduction; Stem Cells; Immunohistochemistry; Receptors; Phosphorylation; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321597
NCBI GeneID	3791
NCBI Accession #	NP_002244
NCBI GenBank Nucleotide #	NM_002253
UniProt Accession #	P35968
Molecular Weight	151kDa
NCBI Official Full Name	vascular endothelial growth factor receptor 2
NCBI Official Synonym Full Names	kinase insert domain receptor
NCBI Official Symbol	KDR
NCBI Official Synonym Symbols	FLK1; CD309; VEGFR; VEGFR2
NCBI Protein Information	vascular endothelial growth factor receptor 2
UniProt Protein Name	Vascular endothelial growth factor receptor 2
UniProt Gene Name	KDR
UniProt Synonym Gene Names	FLK1; VEGFR2; VEGFR-2; FLK-1; KDR
UniProt Entry Name	VGFR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.