

Rabbit anti-Human, mouse KDR (Y1175) Polyclonal Antibody | anti-KDR antibody

KDR (Y1175) Antibody

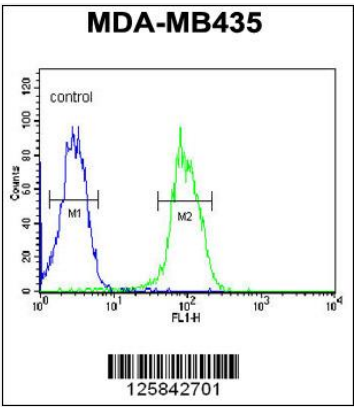
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286843	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

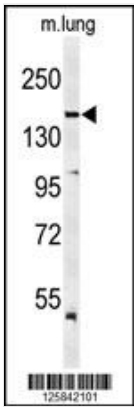
KDR (Y1175); Polyclonal Antibody; KDR (Y1175) Antibody; Vascular endothelial growth factor receptor 2; VEGFR-2; Fetal liver kinase 1; FLK-1; Kinase insert domain receptor; KDR; Protein-tyrosine kinase receptor flk-1; CD309; FLK1; VEGFR2; anti-KDR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KDR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1153-1182 amino acids from human KDR.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1153-1182
Sequence Length	1356
Applicable Applications for anti-KDR antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
KDR (Y1175) Antibody flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of KDR (Y1175) Antibody in mouse lung tissue lysates (35ug/lane). KDR (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-KDR antibody	KDR is a major growth factor for endothelial cells. This protein encodes one of the two receptors of the KDR. 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..
Product Categories/Family for anti-KDR antibody	Cancer; Cardiovascular; Immunology; Metabolism; Neuroscience; Signal Transduction
References	Huang, D., et al. Cancer Res. 70(3):1053-1062(2010) Sentilhes, L., et al. J. Neuropathol. Exp. Neurol. 69(2):111-128(2010) Lamallice, L., et al. J. Biol. Chem. 281(45):34009-34020(2006) Meyer, R.D., et al. J. Biol. Chem. 277(30):27081-27087(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321597
NCBI GeneID	3791
NCBI Accession #	NP_002244.1
NCBI GenBank Nucleotide #	NM_002253.2
UniProt Accession #	P35968; O60723; Q14178; A2RRS0; B5A925; C5IFA0
Molecular Weight	151527
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

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kdr-y1175-antibody-flow-cytometry-western-blot-elisa/286843>