

Rabbit anti-Human Phospho-KDR/FLK1 (Y996) Polyclonal Antibody | anti-KDR antibody

Phospho-KDR/FLK1 (Y996) Antibody

CATALOG # AAA283770	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

Phospho-KDR/FLK1 (Y996); Polyclonal Antibody; Phospho-KDR/FLK1 (Y996) 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
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KDR/FLK1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y996 of human KDR/FLK1.
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: 0.63 (varies by lot)
Sequence Length	1356
Applicable Applications for anti-KDR antibody	IHC (Immunohistochemistry), 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.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Anti-Phospho-KDR/FLK1-Y996 Pab is used in Western blot to detect Phospho-KDR/FLK1-Y996 in HMVEC cell line lysate. Endothelial cells were stimulated with 50ug/ml VEGF for 5min; 20ug lysate from HMVEC was loaded onto an 8% gel; for Western blot, membranes were incubated O/N with Phospho-KDR/FLK1-Y996 Antibody (AAA283770) diluted to 1:500 in 1% Milk/TBST. Data and Protocol kindly provided by Dr. Weis from Cheresch Lab, UCSD.

ADDITIONAL INFORMATION

Related Product Information for anti-KDR antibody	KDR (FLK1) is a receptor for VEGF or VEGFC. This protein 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.
Product Categories/Family for anti-KDR antibody	Signal Transduction; Neuroscience; Developmental Biology; Cardiovascular; Cancer; Crown Antibodies; Stem Cells
References	Le Boeuf, F., et al., J. Biol. Chem. 279(37):39175-39185 (2004). Lee, Y.K., et al., Blood 104(3):788-794 (2004). Sulpice, E., et al., Eur. J. Biochem. 271(16):3310-3318 (2004). Murdaca, J., et al., J. Biol. Chem. 279(25):26754-26761 (2004). List, A.F., et al., Exp. Hematol. 32(6):526-535 (2004).

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
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.