Datasheet for ABIN2792307

anti-VEGFR2/CD309 antibody (N-Term)

4 Images

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Overview

Quantity:	100 µL
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	N-Term
Reactivity:	Human, Pig, Dog, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human KDR
Sequence:	LNVGIDFNWE YPSSKHQHKK LVNRDLKTQS GSEMKKFLST LTIDGVTRSD
Predicted Reactivity:	Cow: 86%, Dog: 100%, Horse: 100%, Human: 100%, Pig: 100%
Characteristics:	This is a rabbit polyclonal antibody against KDR. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	KDR (VEGFR2 Products)

Target Details

Background:	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. Alias Symbols: CD309, FLK1, VEGFR, VEGFR2 Protein Interaction Partner: 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 Protein Size: 1356
Molecular Weight:	151 kDa
Gene ID:	3791
NCBI Accession:	NM_002253, NP_002244
UniProt:	P35968
Pathways:	RTK Signaling, Glycosaminoglycan Metabolic Process, Signaling Events mediated by VEGFR1 and VEGFR2, Growth Factor Binding, Regulation of long-term Neuronal Synaptic Plasticity, VEGF Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1356 AA
Restrictions:	For Research Use only

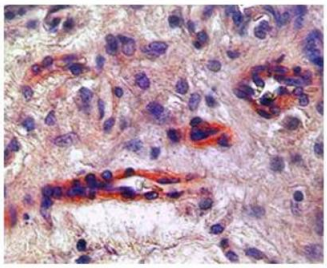
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	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.

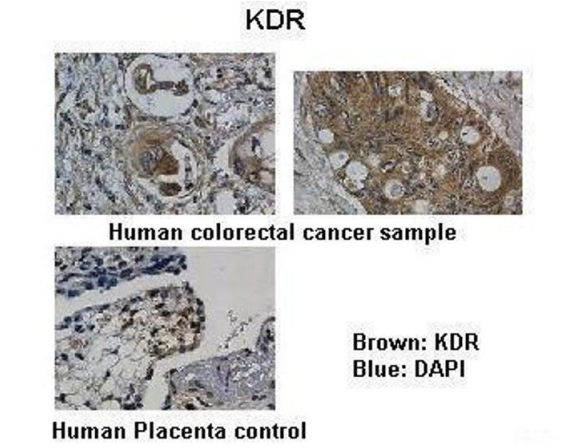
Images



KDR (AVARP20010_P050)
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

Image 1.

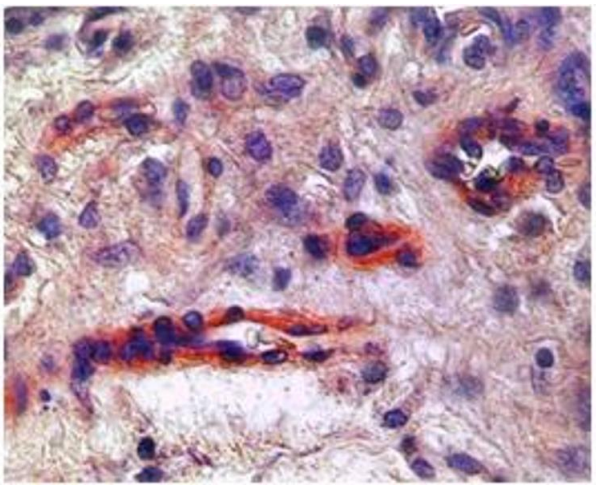


See IHC 2 Data and Customer Feedback for more information

Immunohistochemistry

Image 2. Researcher: Department of Pathology, Hospital de Carabineros de Chile, Santiago, ChileApplication: IHCSpecies+tissue/cell type: Control-Human Placenta, Sample-Human colorectal cancer Primary Antibody dilution: 1:100

Secondary Antibody: Biotinylated pig anti-rabbit+streptavidin-HRP



Immunohistochemistry

Image 3. 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

Please check the product details page for more images. Overall 4 images are available for ABIN2792307.