

Datasheet for ABIN926995

anti-VEGFR2/CD309 antibody (N-Term)



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2 Images

Overview

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

Product Details

Immunogen:	KDR antibody was raised in rabbit using the N terminal of KDR as the immunogen
Cross-Reactivity:	Dog (Canine)
Purification:	Purified

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	KDR
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. Synonyms:

Target Details

Polyclonal KDR antibody, Anti-KDR antibody, kinase insert domain receptor, a type III receptor tyrosine kinase antibody, CD309 antibody, FLK1 antibody, VEGFR antibody, VEGFR2 antibody.

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:

WB: 0.2-1 µg/mL
Optimal conditions should be determined by the investigator.

Comment:

KDR Blocking Peptide, , is also available for use as a blocking control in assays to test for specificity of this KDR antibody

Restrictions:

For Research Use only

Handling

Format:

Lyophilized

Concentration:

Lot specific

Buffer:

Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice:

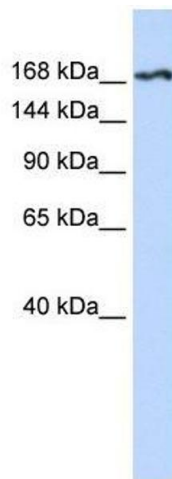
Avoid repeated freeze/thaw cycles.

Storage:

4 °C/-20 °C

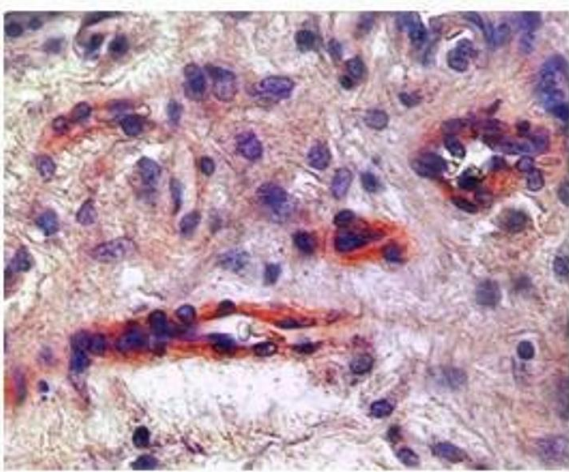
Storage Comment:

Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



Western Blotting

Image 1. Western Blot showing KDR antibody used at a concentration of 1-2 ug/ml to detect its target protein.



Immunohistochemistry

Image 2. KDR in endothelial cells of blood vessels in placenta was detected using KDR antibody at a dilution of 5-10 ug/ml and stained with HRP/AEC red color stain. Recommended for IHC on human tissue.