

Datasheet for ABIN5708186
anti-VEGFR2/CD309 antibody (AA 20-244)



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2 Images

Overview

Quantity:	100 µg
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	AA 20-244
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A recombinant mouse partial protein corresponding to amino acids A20-L244 was used as the immunogen for the Vegf receptor 2 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	Vegf receptor 2 / Vegfr2 / Kdr (VEGFR2 Products)
Background:	KDR (Kinase Insert Domain Receptor), also known as FLK1, VEGFR or VEGFR2, is a VEGF receptor. KDR is the human gene encoding it. Vascular endothelial growth factor (VEGF) is the only mitogen that specifically acts on endothelial cells. Its expression is upregulated by hypoxia,

Target Details

and its cell-surface receptor, known as fetal liver kinase-1 (Flk1) in mouse, is exclusively expressed in endothelial cells. Flk1 is the mouse homolog of KDR.

UniProt:	P35918
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

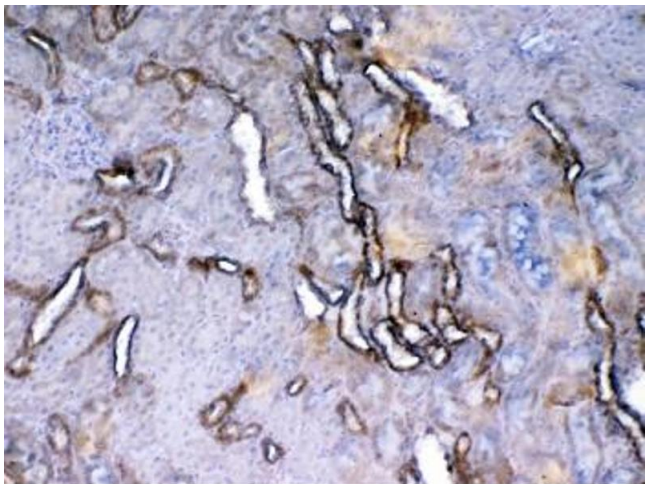
Application Details

Application Notes:	Optimal dilution of the Vegf receptor 2 antibody should be determined by the researcher.\. Western Blot: 0.5-1 µg/mL,IHC (FFPE): 1-2 µg/mL,ELISA (Capture): 0.1-0.5 µg/mL
Restrictions:	For Research Use only

Handling

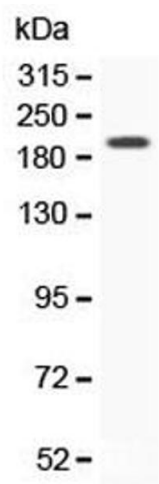
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the Vegf receptor 2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Immunohistochemistry

Image 1. IHC testing of FFPE rat kidney tissue with Vegf receptor 2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western Blotting

Image 2. Western blot testing of recombinant mouse Vegfr2 protein with Vegf receptor 2 antibody at 0.5ug/ml.