Datasheet for ABIN389564

anti-VEGFR2/CD309 antibody (pTyr996)

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Overview

Quantity:	400 µL
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	pTyr996
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB2667
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	KDR/FLK1 (VEGFR2 Products)
Background:	KDR (FLK1) is a receptor for VEGF or VEGFC. This protein has a tyrosine-protein kinase activity.

Target Details

	The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability.
Molecular Weight:	151527
Gene ID:	3791
NCBI Accession:	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:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

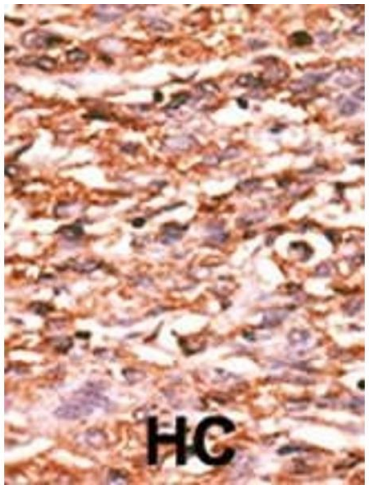
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

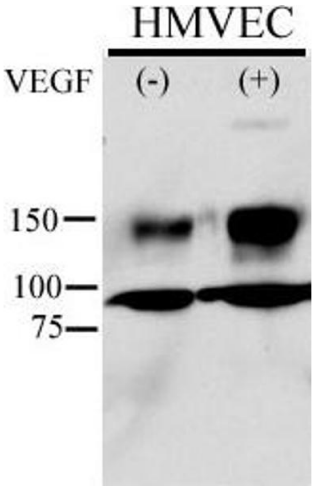
Product cited in:	Wang, Wang, Liu, Liu, Tay, Walsh, Yang, Wu: "CRISPR/Cas9 mediated genome editing of Helicoverpa armigera with mutations of an ABC transporter gene HaABCA2 confers resistance to Bacillus thuringiensis Cry2A toxins." in: **Insect biochemistry and molecular biology**, Vol. 87, pp. 147-153, (2017) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.



Western Blotting

Image 2. Anti-Phospho-KDR/FLK1- Pab (ABIN389564 and ABIN2839596) is used in Western blot to detect Phospho-KDR/FLK1- in HMVEC cell line lysate. Endothelial cells were stimulated with 50 µg/mL VEGF for 5 min, 20 µg lysate from HMVEC was loaded onto an 8 % gel, for Western blot, membranes were incubated O/N with Phospho-KDR/FLK1-Antibody ((ABIN389564 and ABIN2839596))diluted to 1:500 in 1 % Milk/TBST. Data and Protocol kindly provided by Dr. Weis from Cheresh Lab, UCSD.

