Datasheet for ABIN7175388

anti-FLT4 antibody (AA 1112-1329)

2 Images

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Overview

Quantity:	100 µg
Target:	FLT4
Binding Specificity:	AA 1112-1329
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FLT4 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Vascular endothelial growth factor receptor 3 protein (1112-1329AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	FLT4
Alternative Name:	FLT4 (FLT4 Products)
Background:	Background: Tyrosine-protein kinase that acts as a cell-surface receptor for VEGFC and VEGFD, and plays an essential role in adult lymphangiogenesis and in the development of the vascular

Target Details

	network and the cardiovascular system during embryonic development. Promotes proliferation, survival and migration of endothelial cells, and regulates angiogenic sprouting. Signaling by activated FLT4 leads to enhanced production of VEGFC, and to a lesser degree VEGFA, thereby creating a positive feedback loop that enhances FLT4 signaling. Modulates KDR signaling by forming heterodimers. The secreted isoform 3 may function as a decoy receptor for VEGFC and/or VEGFD and play an important role as a negative regulator of VEGFC-mediated lymphangiogenesis and angiogenesis. Binding of vascular growth factors to isoform 1 or isoform 2 leads to the activation of several signaling cascades, isoform 2 seems to be less efficient in signal transduction, because it has a truncated C-terminus and therefore lacks several phosphorylation sites. Mediates activation of the MAPK1/ERK2, MAPK3/ERK1 signaling pathway, of MAPK8 and the JUN signaling pathway, and of the AKT1 signaling pathway. Phosphorylates SHC1. Mediates phosphorylation of PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase. Promotes phosphorylation of MAPK8 at \'Thr-183\' and \'Tyr-185\', and of AKT1 at \'Ser-473\'. Aliases: EC 2.7.10.1 antibody, flt 4 antibody, FLT-4 antibody, FLT4 antibody, FLT41 antibody, Fms related tyrosine kinase 4 antibody, Fms-like tyrosine kinase 4 antibody, LMPH1A antibody, PCL antibody, Soluble VEGFR3 variant 1 antibody, Soluble VEGFR3 variant 2 antibody, Soluble VEGFR3 variant 3 antibody, Tyrosine protein kinase receptor FLT4 antibody, Tyrosine-protein kinase receptor FLT4 antibody, Vascular endothelial growth factor receptor 3 antibody, Vascular endothelial growth factor receptor 3 precursor antibody, VEGF R3 antibody, VEGFR 3 antibody, VEGFR-3 antibody, VEGFR3 antibody, VGFR3_HUMAN antibody
UniProt:	P35916
Pathways:	RTK Signaling, Signaling Events mediated by VEGFR1 and VEGFR2, VEGF Signaling

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

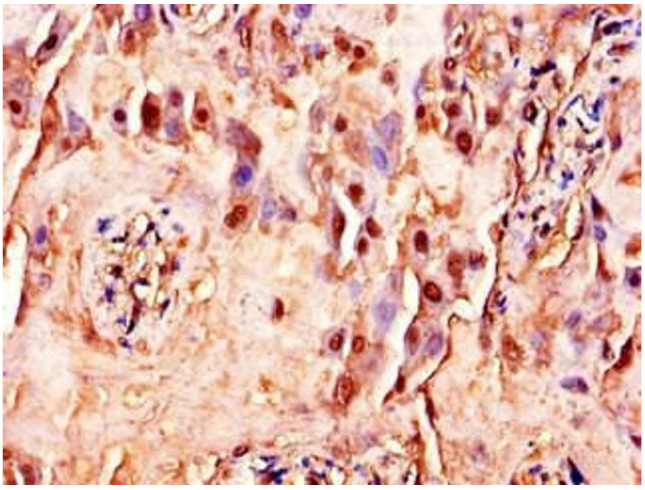
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin

Handling

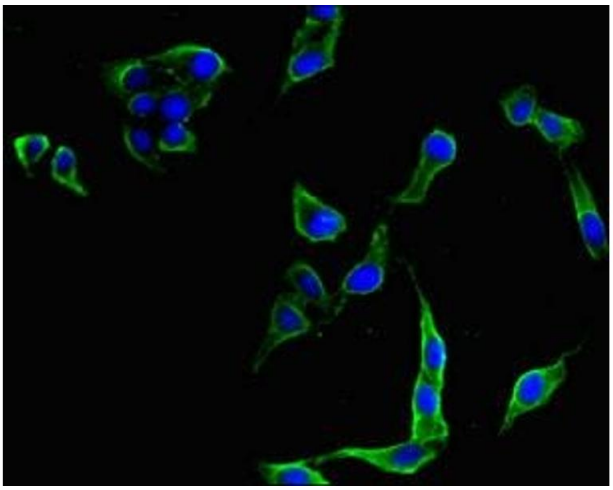
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7175388 at dilution of 1:100



Immunofluorescence

Image 2. Immunofluorescent analysis of Hela cells using ABIN7175388 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)