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Datasheet for ABIN6140687

anti-FLT1 antibody (AA 20-300)

5 Images

1 Publication

Overview

Quantity:	100 µL
Target:	FLT1
Binding Specificity:	AA 20-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FLT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 20-300 of human VEGFR1 (NP_001153392.1).
Sequence:	LTGSSSGSKL KDPELSLKGT QHIMQAGQTL HLQCRGEAAH KWSLPEMVSK ESERLSITKS ACGRNGKQFC STLTNNTAQA NHTGFYSCKY LAVPTSCKKE TESAIYIFIS DTGRPFVEMY SEIPEIIHMT EGRELVIPCR VTSPNITVTL KKFPLDTLIP DGKRIIWDSR KGFIISNATY KEIGLLTCEA TVNGHLYKTN YLTHRQNTI IDVQISTPRP VKLLRGHTLV LNCTATTPLN TRVQMTWSYP DEKNKRASVR RRIDQSNSHA NIFYSVLTID K
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target: FLT1

Alternative Name: FLT1 ([FLT1 Products](#))

Background: This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia.,FLT,FLT-1,VEGFR-1,VEGFR1,FLT1,Cancer,Invasion and Metastasis,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology & Developmental Biology,Growth factor,VEGF,VEGF Receptors,Endocrine & Metabolism,Cardiovascular,Angiogenesis,Angiogenic growth factors,Hypoxia,FLT1

Molecular Weight: 39 kDa/41 kDa/52- 82 kDa/150 kDa

Gene ID: 2321

UniProt: [P17948](#)

Pathways: [RTK Signaling](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [VEGFR1 Specific Signals](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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: -20 °C

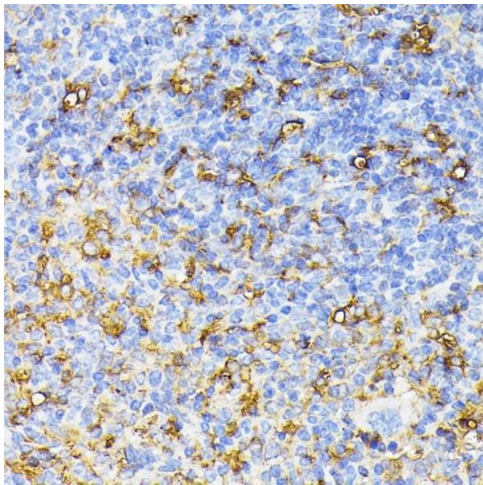
Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Publications

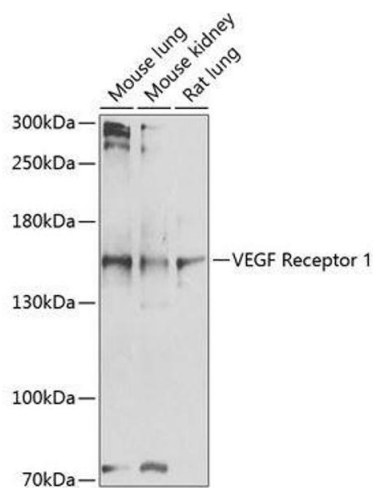
Product cited in: Huang, Rehman, Lan, Qiu, Zhang, Iqbal, Luo, Mehmood, Zhang, Li: "Tibial dyschondroplasia is highly associated with suppression of tibial angiogenesis through regulating the HIF-1 α /VEGF/VEGFR signaling pathway in chickens." in: **Scientific reports**, Vol. 7, Issue 1, pp. 9089, (2017) ([PubMed](#)).

Images



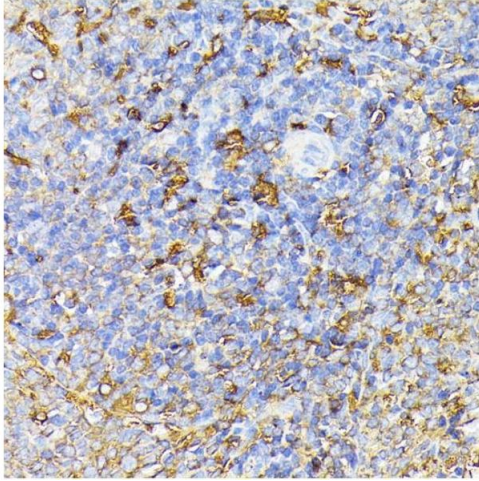
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse spleen using FLT1 antibody (ABIN6132264, ABIN6140687, ABIN6140689 and ABIN6216515) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of VEGFR1 expression using ABIN6140687



Immunohistochemistry

Image 3. IHC Analysis using ABIN6140687

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6140687.