

VEGF Receptor 1 Rabbit Polyclonal Antibody

Catalog No: #53434



Package Size: #53434-1 50ul #53434-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

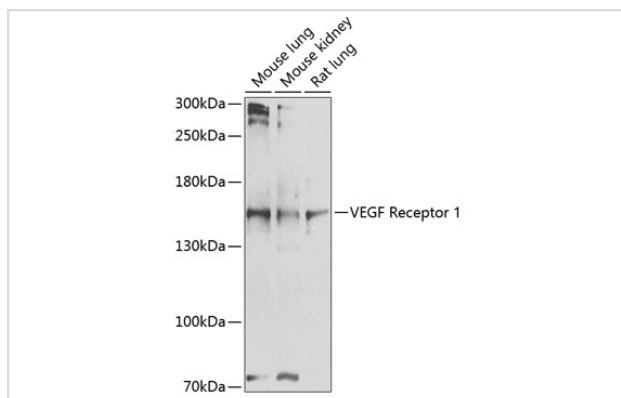
Description

Product Name	VEGF Receptor 1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human VEGF Receptor 1 (NP_001153392.1).
Other Names	FLT;FLT-1;VEGFR-1;VEGFR1;FLT1
Accession No.	Swiss Prot:P17948GeneID:2321
Calculated MW	39kDa/41kDa/52- 82kDa/150kDa
SDS-PAGE MW	151kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

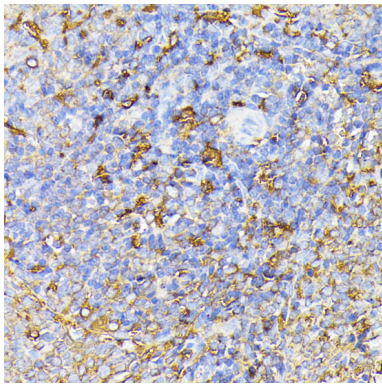
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:100

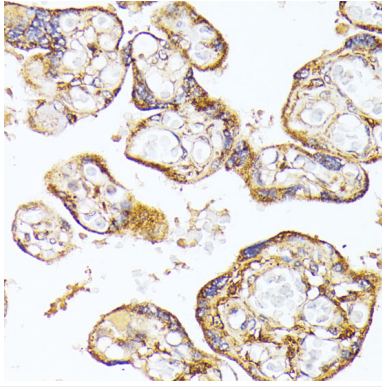
Images



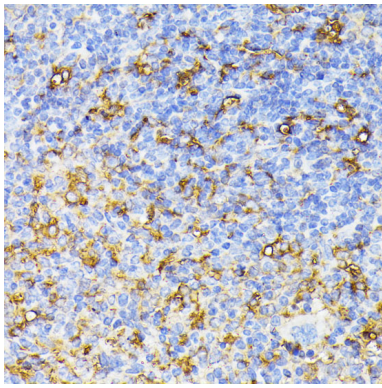
Western blot analysis of extracts of various cell lines, using VEGF Receptor 1 at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded rat spleen using FLT1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human placenta using FLT1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spleen using FLT1 at dilution of 1:100 (40x lens).

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.

Published Papers

el at., Correlation between N-terminal pro-atrial natriuretic peptide, corin, and target organ damage in hypertensive disorders of pregnancy. In *J Clin Hypertens (Greenwich)* on 2022 May by Wei Zhang, Ying Zhou, et al..PMID:35199942, , (2022)

[PMID:35199942](https://pubmed.ncbi.nlm.nih.gov/35199942/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.