

## VEGF Receptor 1 Rabbit mAb

Catalog No: #48718



Package Size: #48718-1 50ul #48718-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

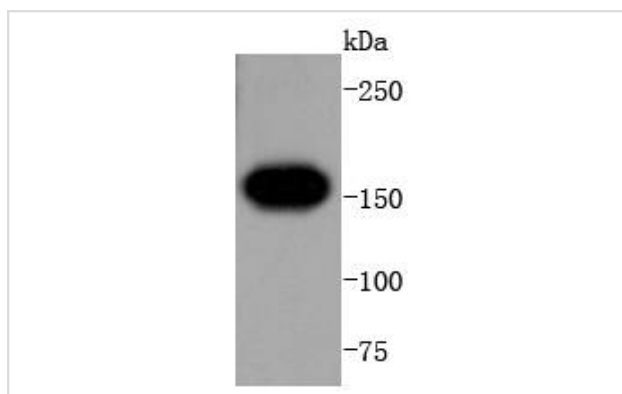
## Description

Product Name	VEGF Receptor 1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SY09-09
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	EC 2.7.10.1 antibody FLT 1 antibody FLT antibody Flt-1 antibody FLT1 antibody Fms like tyrosine kinase 1 antibody Fms related tyrosine kinase 1 antibody Fms related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor) antibody Fms related tyrosine kinase 1 vascular endothelial growth factor/vascular permeability factor receptor antibody Fms-like tyrosine kinase 1 antibody FRT antibody Soluble VEGF receptor 1 14 antibody Soluble VEGFR1 variant 2 antibody Soluble VEGFR1 variant 21 antibody Tyrosine protein kinase FRT antibody Tyrosine protein kinase receptor FLT antibody Tyrosine-protein kinase FRT antibody Tyrosine-protein kinase receptor FLT antibody Vascular endothelial growth factor receptor 1 antibody Vascular endothelial growth factor vascular permeability factor receptor antibody Vascular permeability factor receptor 1 antibody Vascular permeability factor receptor antibody VEGFR 1 antibody VEGFR-1 antibody VEGFR1 antibody VGFR1_HUMAN antibody
Accession No.	Swiss-Prot#:P17948
Calculated MW	151 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

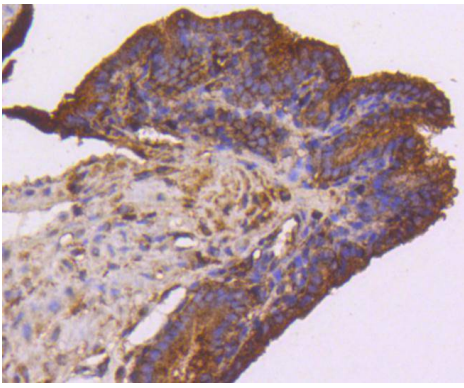
## Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

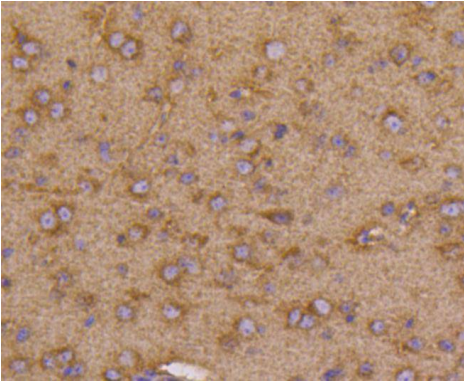
## Images



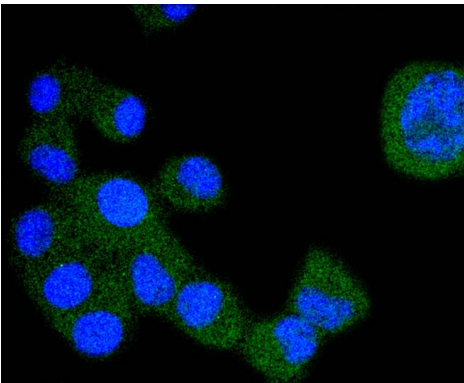
Western blot analysis of VEGF Receptor 1 on mouse lung lysates using anti-VEGF Receptor 1 antibody at 1/1,000 dilution.



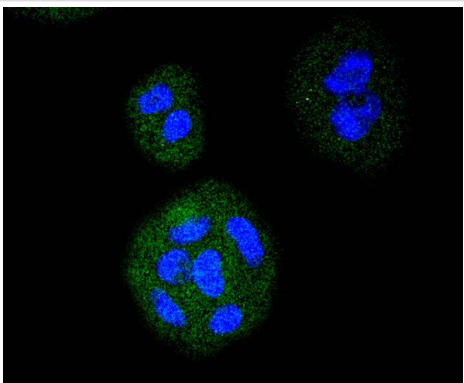
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue using anti-VEGF Receptor 1 antibody. Counter stained with hematoxylin.



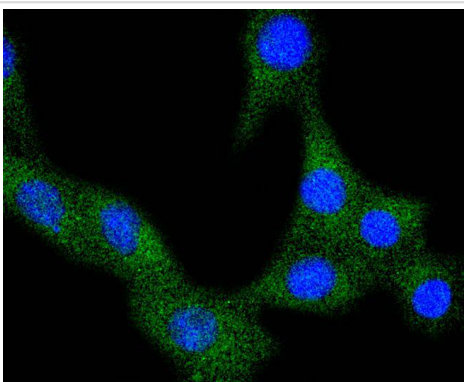
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-VEGF Receptor 1 antibody. Counter stained with hematoxylin.



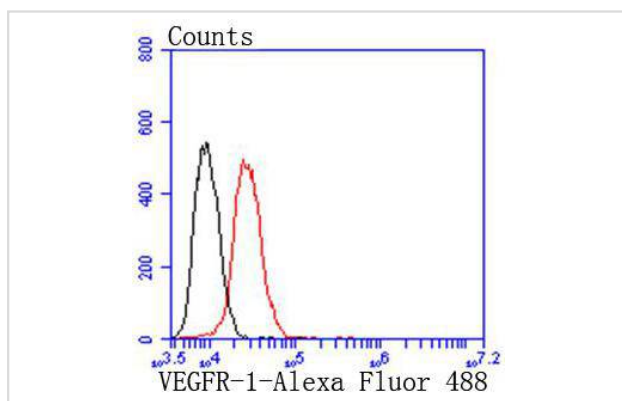
ICC staining VEGF Receptor 1 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining VEGF Receptor 1 in RH-35 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining VEGF Receptor 1 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of A431 cells with VEGF Receptor 1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

## Background

Three cell membrane receptor tyrosine kinases, Flt (also designated VEGF-R1), Flk-1 (also designated VEGF-R2) and Flt-4, putatively involved in the growth of endothelial cells, are characterized by the presence of seven immunoglobulin-like sequences in their extracellular domain. These receptors exhibit high degrees of sequence relatedness to each other as well as lesser degrees of relatedness to the class III receptors including CSF-1/Fms, PDGR, SLFR/Kit and Flt-3/Flk-2. Two members of this receptor class, Flt-1 and Flk-1, have been shown to represent high affinity receptors for vascular endothelial growth factors (VEGFs). On the basis of structural similarity to Flt and Flk-1, it has been speculated that Flt-4 might represent a third receptor for either VEGF or a VEGF-related ligand.

## References

1. Zhou W et al. Fibroblast growth factor receptor 1 promotes MG63 cell proliferation and is associated with increased expression of cyclin-dependent kinase 1 in osteosarcoma. *Mol Med Rep* 13:713-9 (2016).
2. Liu X et al. Impaired VEGF Signaling in Lungs with Hypoplastic Esophageal Atresia and Effects on Branching Morphogenesis. *Cell Physiol Biochem* 39:385-94 (2016).

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