

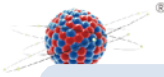
Anti- VEGF Receptor 1 Antibody

NH-R-09-09

Product Type: Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity: Human, Mouse, Rat
Applications: IF-Tissue Clearing
Clone number: SY09-09

Description:	Three cell membrane receptor tyrosine kinases, Flt (also designated VEGF-R1), Flk-1 (also designated VEGFR2) 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 CSF1/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.
Immunogen:	Synthetic peptide within Human VEGF Receptor 1 aa 1-50 / 1,338.
Positive control:	Mouse kidney tissue.
Subcellular location:	Cell membrane, Endosome, Secreted, Cytoplasm.
Recommended Dilutions:	
IF-Tissue Clearing	1:50
Adaptive Clearing kit	Tissue clearing kit (Hydrophilic) (Cat#:NH-CR-210701)
Storage Buffer:	1* TBS (pH 7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Storage Instruction:	Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.
Purity:	Protein A affinity purified





Images

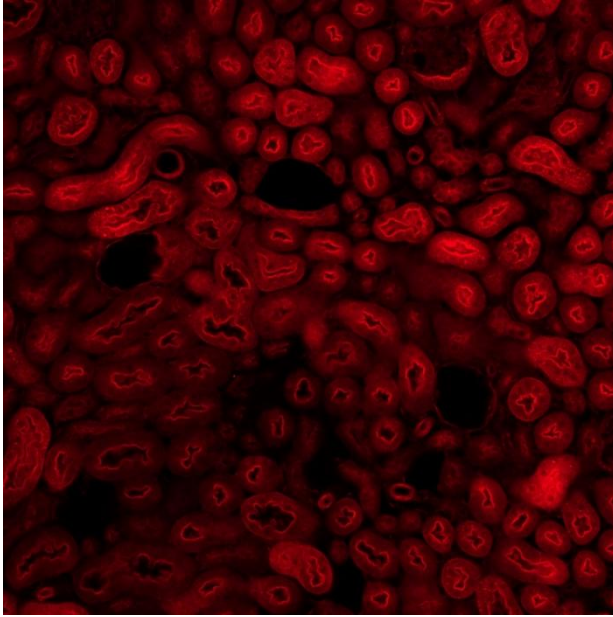


Fig1:Immunofluorescence analysis of fresh mouse kidney tissue labeling VEGF Receptor Recombinant Rabbit Monoclonal Antibody (NH-R-09-09) at 1/50 dilution.

The section was treated with Tissue clearing kit (Hydrophilic) (Cat#:NH-CR-210701), the tissues were blocked for 2 hours at 4°C, washed with PBS, and then probed with the primary antibody (NH-R-09-09,1/50) overnight at 4°C, washed with PBS. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) was used as the secondary antibody at 1/50 dilution. Image acquisition was performed with Zeiss 980.

