

VEGFR1 Rabbit pAb

Catalog No.: A0058

Basic Information

Catalog No.

A0058

Observed MW

200kDa

Calculated MW

39kDa/41kDa/52- 82kDa/150kDa

Category

Primary antibody

Applications

WB, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:200 - 1:2000
IF	1:50 - 1:200

Contact

 | www.abclonal.com

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.

Immunogen Information

Gene ID	Swiss Prot
2321	P17948

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1100-1200 of human VEGFR1 (NP_002010.2).

Synonyms

FLT;FLT-1;VEGFR-1;VEGFR1;FLT1

Product Information

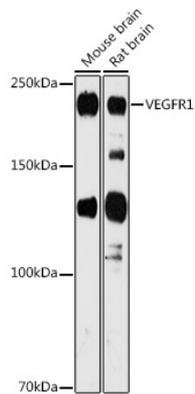
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using VEGFR1 antibody (A0058) at 1:1000 dilution.

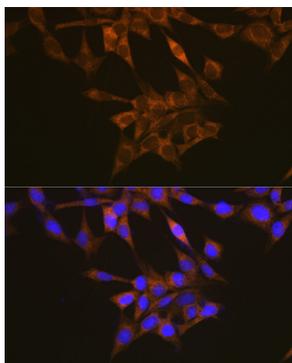
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

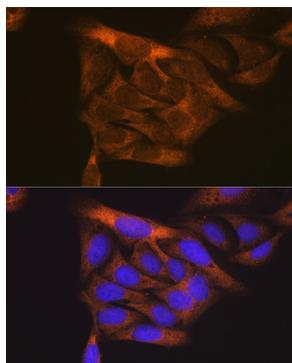
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunofluorescence analysis of NIH/3T3 cells using VEGFR1 antibody (A0058) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using VEGFR1 antibody (A0058) at dilution of 1:100. Blue: DAPI for nuclear staining.