

Nur für Forschungszwecke

VEGFR-1/FLT-1 Polyklonaler Antikörper



Katalog-Nr.:13687-1-AP

27 Publikationen

Allgemeine Informationen

Katalog-Nr.:
13687-1-AP

Größe:
150ul, Konzentration: 1000 µg/ml von 2321
Nanodrop und 260 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG4558

GenBank-Zugangsnummer:
BC039007

GeneID (NCBI):

Vollständiger Name:
fms-related tyrosine kinase 1
(vascular endothelial growth
factor/vascular permeability factor
receptor)

Berechnete Masse:
1338 aa, 151 kDa

Beobachtete Masse:
55-60 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000
IP 0.5-4.0 µg für IP und 1:500-1:1000
für WB
IHC 1:1000-1:4000
IF 1:10-1:100

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HEK-293-Zellen, humanes Plazenta-Gewebe, Mauslungengewebe

IP: A549-Zellen,

IHC: humanes Nierenzellkarzinomgewebe,

IF: HeLa-Zellen,

Hintergrundinformationen

Vascular endothelial growth factor receptor-1 (VEGFR-1, FLT-1) is a receptor tyrosine kinase belonging to the VEGFR family. VEGF is a key regulator of physiological angiogenesis and has also been implicated in pathological angiogenesis associated with tumors, intraocular neovascular disorders and other conditions. The biological effects of VEGF are mediated by VEGFR-1 and VEGFR-2. Both the two receptors have seven immunoglobulin-like repeats in the extracellular domain, a single transmembrane region and a tyrosine kinase domain. VEGFR-1 binds VEGFA, PlGF and VEGFB, and plays an essential role in the development of embryonic vasculature, the regulation of angiogenesis, cell survival, cell migration, macrophage function, chemotaxis, and cancer cell invasion. Two isoforms of VEGFR-1 exist, a full-length transmembrane form and a short soluble form (sVEGFR-1) consisting of only the extracellular ligand-binding domain. (PMID: 12778165; 17109193; 8806634)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Qiang Ma	31562866	Eur J Pharmacol	WB,IHC
Yun Shi	31513785	Biochem Pharmacol	WB
Jie Zhang	36266491	Mol Cell Biochem	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

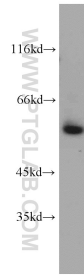
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

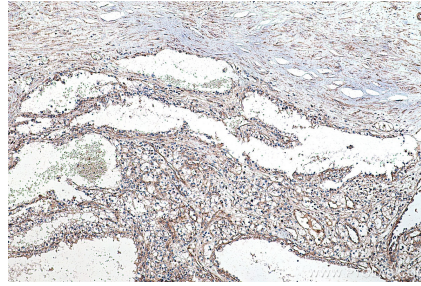
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

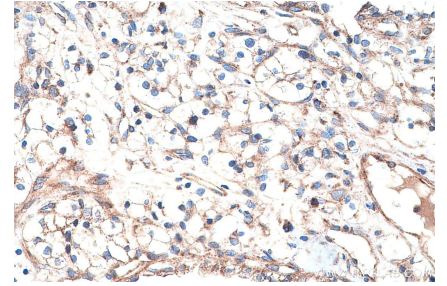
Ausgewählte Validierungsdaten



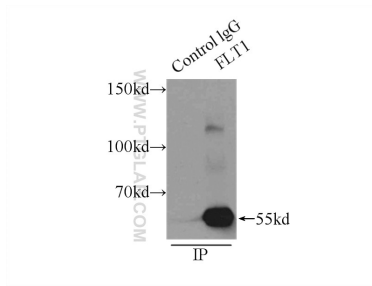
HEK-293 cells were subjected to SDS PAGE followed by western blot with 13687-1-AP (VEGFR-1/FLT-1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



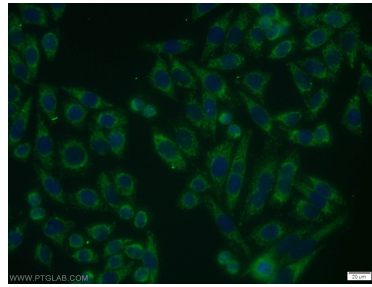
Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 13687-1-AP (VEGFR-1/FLT-1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



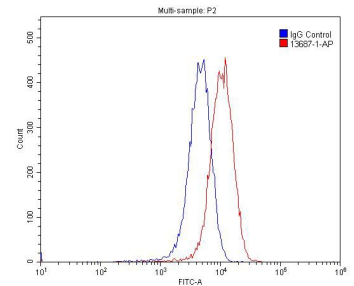
Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 13687-1-AP (VEGFR-1/FLT-1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-VEGFR-1/FLT-1 (IP:13687-1-AP, 5ug; Detection:13687-1-AP 1:500) with A549 cells lysate 3300ug.



Immunofluorescent analysis of HeLa cells using 13687-1-AP (VEGFR-1/FLT-1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 HUVEC cells were stained with 0.2ug VEGFR-1/FLT-1 antibody (13687-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.