Product datasheet

Anti-VEGFR3/FLT4 Antibody

Catalog Number: *A01276-3*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-VEGFR3/FLT4 Antibody
Gene Name	FLT4
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human VEGF Receptor 3 recombinant protein (Position: Y25-N259). Human VEGF Receptor 3 shares 85.5% and 87.7% amino acid (aa) sequence identity with mouse and rat VEGF Receptor 3, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	153 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Fms-related tyrosine kinase 4, also known as FLT4 or VEGFR3, is a protein which in humans is encoded by the FLT4 gene. It is mapped to 5q35.3. This gene encodes a tyrosine kinase receptor for vascular endothelial growth factors C and D. The protein is thought to be involved in lymphangiogenesis and maintenance of the lymphatic endothelium. FLT4 has an essential role in the development of the embryonic cardiovascular system before the emergence of the

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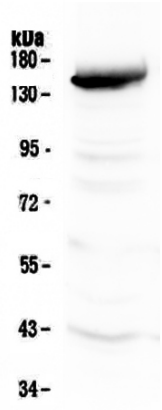
lymphatic vessels. It has been found that FLT4, which provides proangiogenic signaling when expressed on endothelium, may also have antiangiogenic properties when expressed at an avascular site by nonendothelial cells. FLT4 is also regarded as a regulator of vascular network formation.

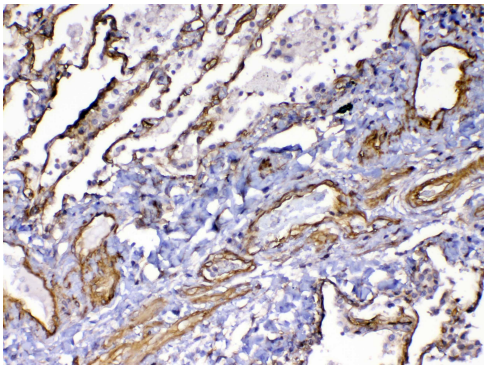
Reference

Anti-VEGFR3/FLT4 Antibody被引用在7文献中。

Selected Validation Data



Western blot analysis of VEGFR3/FLT4 using anti-VEGFR3/FLT4 antibody (A01276-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat liver tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-VEGFR3/FLT4 antigen affinity purified polyclonal antibody (A01276-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for VEGFR3/FLT4 at approximately 153 kDa. The expected band size for VEGFR3/FLT4 is at 153 kDa.



IHC analysis of VEGFR3/FLT4 using anti-VEGFR3/FLT4 antibody (A01276-3).
VEGFR3/FLT4 was detected in a paraffin-embedded section of human lung cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-VEGFR3/FLT4 Antibody (A01276-3) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.

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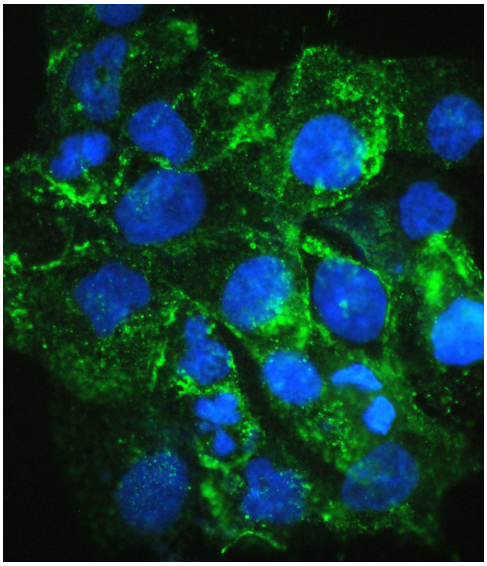
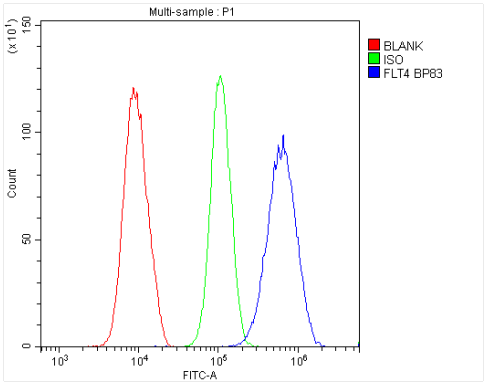


ICC/IF analysis of VEGFR3/FLT4 using anti-VEGFR3/FLT4 antibody (A01276-3).
VEGFR3/FLT4 was detected in an immunocytochemical section of A431 cells. The section was incubated with rabbit anti-VEGFR3/FLT4 Antibody (A01276-3) at a dilution of 1:100. Fluoro488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of U2OS cells using anti-VEGFR3/FLT4 antibody (A01276-3).
Overlay histogram showing U2OS cells stained with A01276-3 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-VEGFR3/FLT4 Antibody (A01276-3) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.