

Basic Information

Product Name	Anti-VEGFR3/FLT4 Antibody	
Gene Name	FLT4	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, FCM, ELISA	
Contents	500 ug/ml antibody with PBS , 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.	
Immunogen	E. coli-derived human VEGF Receptor 3 recombinant protein (Position: Y25-N259).	
concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	153KD	
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 (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°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

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 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2文献中。

Selected Validation Data

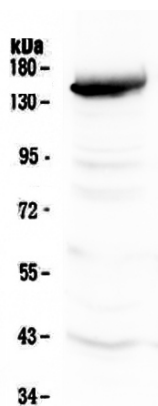


Figure 1. Western blot analysis of FLT4 using anti- FLT4 antibody (A01276-3). Lane 1: rat liver tissue lysates. anti- FLT4 antigen affinity purified polyclonal antibody (Catalog # A01276-3) probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for FLT4 at approximately 153KD. The expected band size for FLT4 is at 153KD.

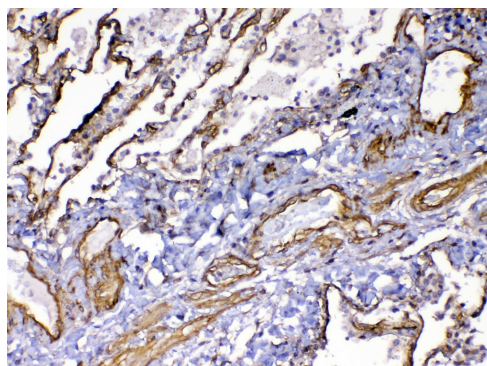


Figure 2. IHC analysis of FLT4 using anti-FLT4 antibody (A01276-3). FLT4 was detected in paraffin-embedded section of human lung cancer tissue. anti-FLT4 Antibody (A01276-3). Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

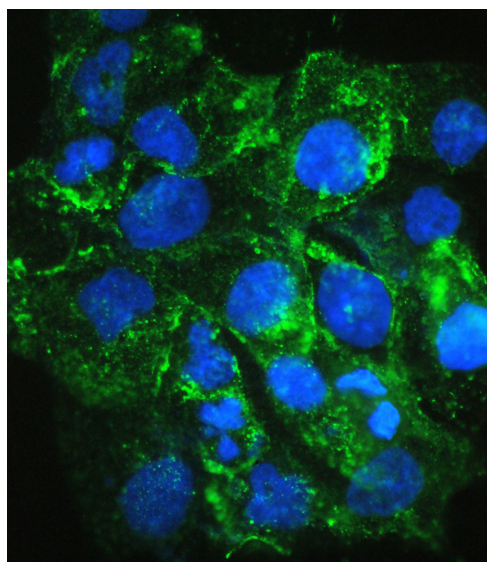


Figure 9. ICC analysis of anti- FLT4 antibody (A01276-3). was detected in immunocytochemical section of A431 cells. Cells were stained using the Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green) (Catalog # BA1127) and counterstained with DAPI (blue).

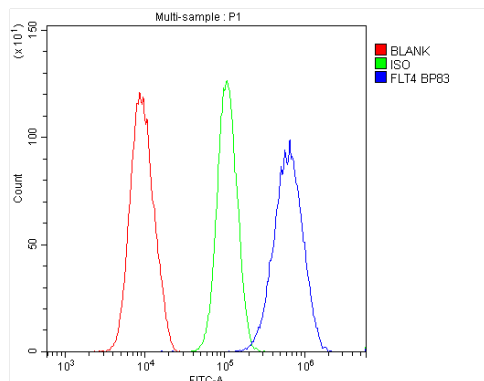


Figure 10. Flow cytometry analysis of U20S cell(1x10⁶) DyLight 488 conjugated goat anti-rabbit IgG(blue) was used as secondary antibody.Isotype control antibody (Green line) was rabbit IgG DyLight 488. Unlabelled sample (Red line).