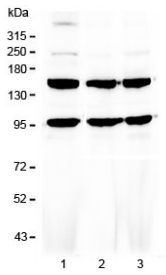
VEGFR3 Antibody / FLT4 (R32892)

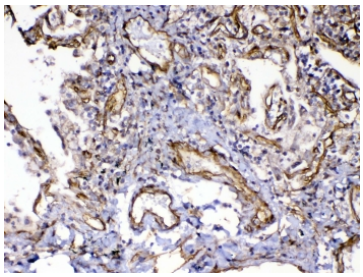
Catalog No.	Formulation	Size
R32892	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

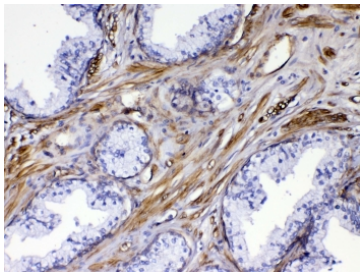
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P35916
Localization	Cytoplasmic, nuclear, cell membrane
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence/Immunocytochemistry (FFPE) : 2-4ug/ml Flow Cytometry : 1-2ug/10^6 cells
Limitations	This VEGFR3 antibody is available for research use only.



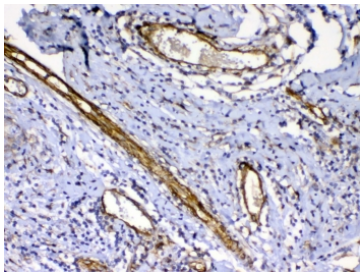
Western blot testing of human 1) HeLa, 2) MCF7 and 3) HepG2 cell lysate with VEGFR3 antibody at 0.5ug/ml. Predicted molecular weight ~153 kDa (long), ~147 kDa (short) and ~93 kDa (sVegfr3).



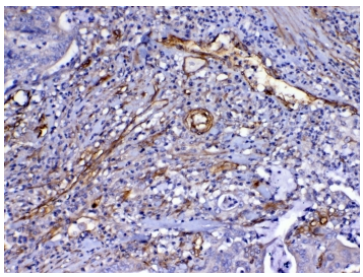
IHC testing of FFPE human lung cancer tissue with VEGFR3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



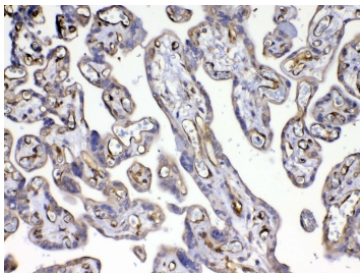
IHC testing of FFPE human prostate cancer tissue with VEGFR3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



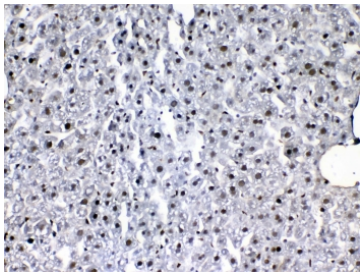
IHC testing of FFPE human breast cancer tissue with VEGFR3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



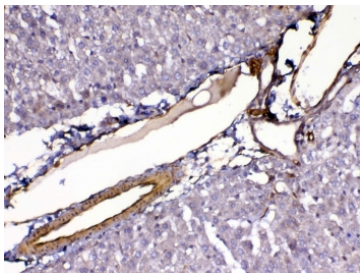
IHC testing of FFPE human colon cancer tissue with VEGFR3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



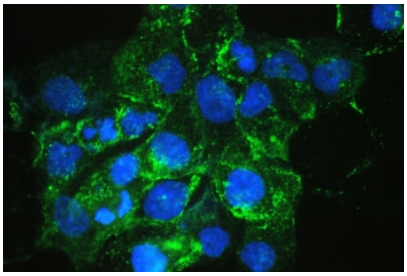
IHC testing of FFPE human placental tissue with VEGFR3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



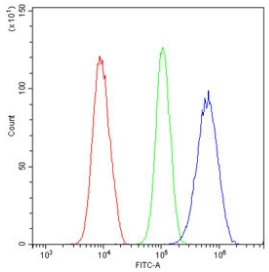
IHC testing of FFPE mouse liver tissue with VEGFR3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat liver tissue with VEGFR3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IF/ICC staining of FFPE human A431 cells with VEGFR3 antibody (green) at 2ug/ml and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human U-2 OS cells with VEGFR3 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= VEGFR3 antibody.

Description

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.

Application Notes

Optimal dilution of the VEGFR3 antibody should be determined by the researcher.

Immunogen

Amino acids SCRGQHPLEWAWPGAQEAPATGDKDSEDT were used as the immunogen for the VEGFR3 antibody.

Storage

After reconstitution, the VEGFR3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.