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VEGFC (VEGF3) Antibody (Center M263)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2042C

Specification

VEGFC (VEGF3) Antibody (Center M263) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P49767
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**46883**
Antigen Region	**248-277**

VEGFC (VEGF3) Antibody (Center M263) - Additional Information

Gene ID 7424

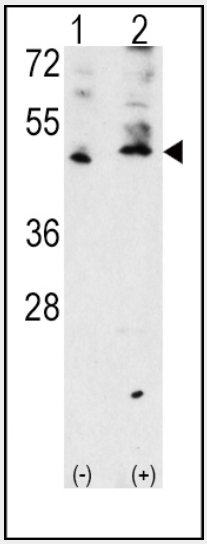
Other Names
Vascular endothelial growth factor C, VEGF-C, Flt4 ligand, Flt4-L, Vascular endothelial growth factor-related protein, VRP, VEGFC

Target/Specificity
This VEGFC (VEGF3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 248-277 amino acids from the Central region of human VEGFC (VEGF3).

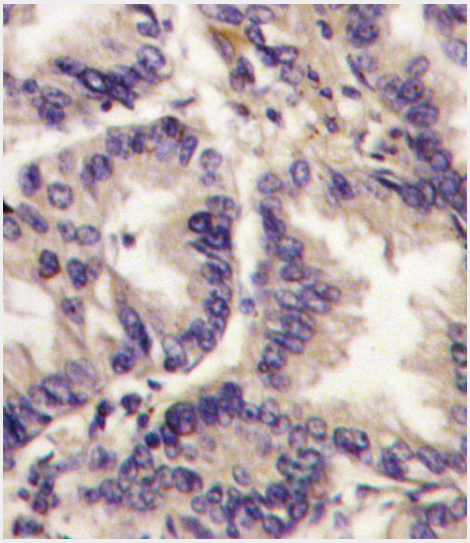
Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of VEGF3 Antibody (Center) polyclonal antibody(Cat.#AP2042c)(arrow). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the VEGF3 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with VEGF3 Antibody (Center M263)(Cat.#AP2042c), which was peroxidase-conjugated to the secondary

Precautions
VEGFC (VEGF3) Antibody (Center M263) is for research use only and not for use in diagnostic or therapeutic procedures.

VEGFC (VEGF3) Antibody (Center M263) - Protein Information

Name VEGFC

Function
Growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in angiogenesis of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates KDR/VEGFR2 and FLT4/VEGFR3 receptors.

Cellular Location
Secreted.

Tissue Location
Spleen, lymph node, thymus, appendix, bone marrow, heart, placenta, ovary, skeletal muscle, prostate, testis, colon and small intestine and fetal liver, lung and kidney, but not in peripheral blood lymphocyte

VEGFC (VEGF3) Antibody (Center M263) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VEGFC (VEGF3) Antibody (Center M263) - Citations

- Podoplanin Expression Correlates with Disease Progression in Mycosis Fungoides.

antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

VEGFC (VEGF3) Antibody (Center M263) - Background

VEGF3 is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family, is active in angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-3 receptors. Only the fully processed form can bind and activate VEGFR-2 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor D.

VEGFC (VEGF3) Antibody (Center M263) - References

Byeon, J.S., et al., J. Gastroenterol. Hepatol. 19(6):648-654 (2004).
Su, J.L., et al., Cancer Res. 64(2):554-564 (2004).
Yan, C., et al., World J. Gastroenterol. 10(6):783-790 (2004).
Hsieh, C.Y., et al., J. Biomed. Sci. 11(2):249-259 (2004).
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