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VEGFD (VEGF4) Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6292B

Specification

VEGFD (VEGF4) Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	O43915
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**40444**
Antigen Region	**322-352**

VEGFD (VEGF4) Antibody (C-term) - Additional Information

Gene ID 2277

Other Names
Vascular endothelial growth factor D, VEGF-D, c-Fos-induced growth factor, FIGF, FIGF, VEGFD

Target/Specificity
This VEGFD (VEGF4) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 322-352 amino acids from the C-terminal region of human VEGFD (VEGF4).

Dilution
WB~~1:1000
IHC-P~~1:10~50
E~~Use at an assay dependent concentration.

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.

Precautions
VEGFD (VEGF4) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

VEGFD (VEGF4) Antibody (C-term) - Protein Information

Name VEGFD (HGNC:3708)

Synonyms FIGF

Function Growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors.

Cellular Location
Secreted.

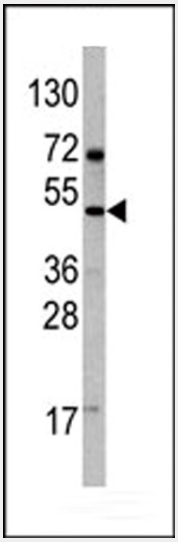
Tissue Location
Highly expressed in lung, heart, small intestine and fetal lung, and at lower levels in skeletal muscle, colon, and pancreas

VEGFD (VEGF4) Antibody (C-term) - 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

VEGFD (VEGF4) Antibody (C-term) - Images



Western blot analysis of anti-VEGF4 Antibody (C-term) Pab (AP6292b) in 293 cell line lysates. VEGF4 Antibody (C-term)(arrow) was detected using the purified Pab.

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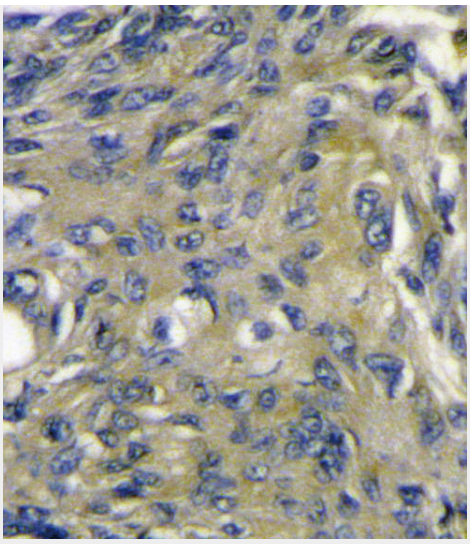

VEGFD (VEGF4) Antibody (C-term) (Cat. #AP6292B)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of VEGFD (VEGF4) Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

VEGFD (VEGF4) Antibody (C-term) - Background

The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C.

VEGFD (VEGF4) Antibody (C-term) - References

Orlandini, M., et al., J. Biol. Chem. 278(45):44650-44656 (2003).
McColl, B.K., et al., J. Exp. Med. 198(6):863-868 (2003).
Rissanen, T.T., et al., Circ. Res. 92(10):1098-1106 (2003).
Nakamura, Y., et al., Clin. Cancer Res. 9(2):716-721 (2003).
Yokoyama, Y., et al., Br. J. Cancer 88(2):237-244 (2003).

VEGFD (VEGF4) Antibody (C-term) - Citations

- Anti-metastatic Efficacy of Traditional Chinese Medicine (TCM) Ginsenoside Conjugated to a VEFGR-3 Antibody on Human Gastric Cancer in an Orthotopic Mouse Model.