

VEGF-D Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11029**Specification**

VEGF-D Antibody - Product Information

Application	WB
Primary Accession	O43915
Other Accession	D89630
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40444

VEGF-D Antibody - Additional Information**Gene ID 2277**

Application & Usage	Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Recombinant human VEGF-D can be used as a positive control. Other applications have not been determined.
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Other Names

VEGFD, VEGF D, Vascular endothelial growth factor D, c-fos-induced growth factor, FIGF

Target/Specificity

VEGF-D

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti- VEGF-D polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

VEGF-D Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

VEGF-D Antibody - 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.

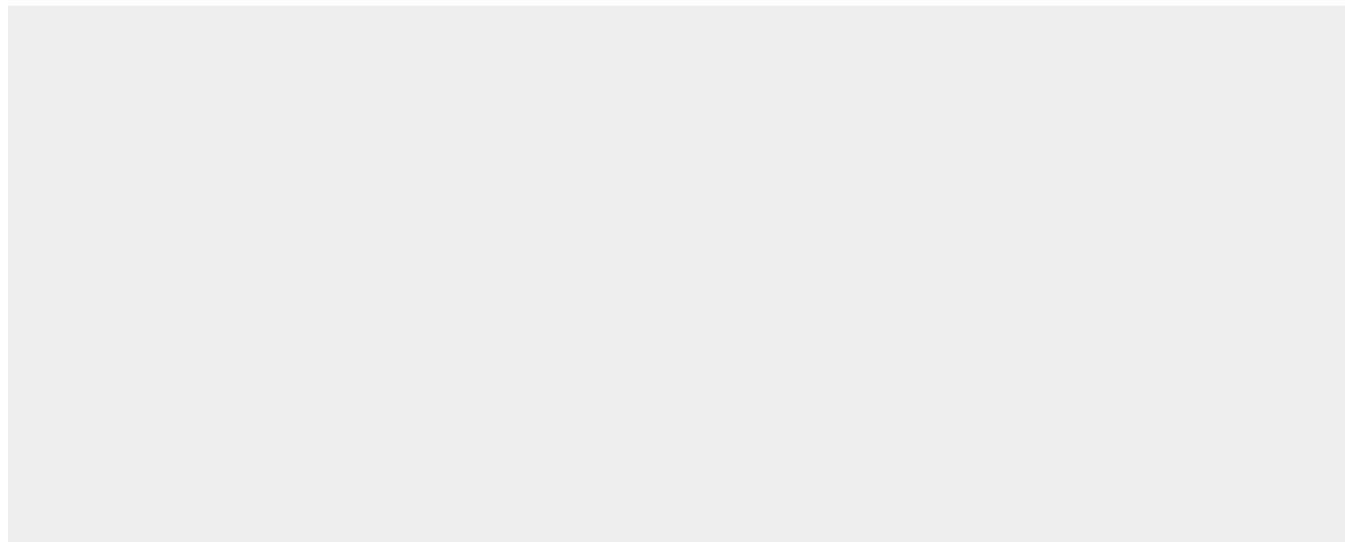
Tissue Location

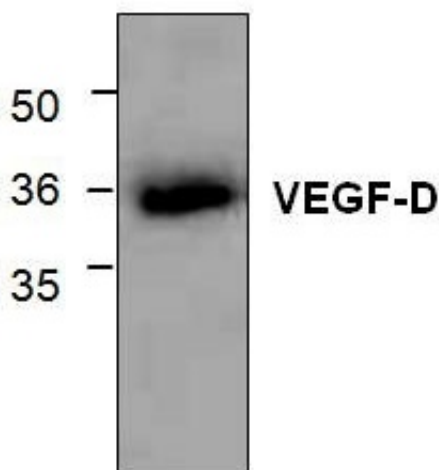
Highly expressed in lung, heart, small intestine and fetal lung, and at lower levels in skeletal muscle, colon, and pancreas

VEGF-D Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VEGF-D Antibody - Images



Western blot analysis of VEGF-D using recombinant human VEGF-D (50 ng).

VEGF-D Antibody - Background

EGF-D is most closely related to VEGF-C by virtue of the presence of N- and C-terminal extensions that are not found in other VEGF family members. In adult human tissues, VEGF-D mRNA is most abundant in heart, lung, skeletal muscle, colon, and small intestine. Analyses of VEGF-D receptor specificity revealed that VEGF-D is a ligand for both VEGF receptors (VEGFRs) VEGFR-2 (Flk1) and VEGFR-3 (Flt4) and can activate these receptors. However, VEGF-D does not bind to VEGFR-1. Expression of a truncated derivative of VEGF-D demonstrated that the receptor-binding capacities reside in the portion of the molecule that is most closely related in primary structure to other VEGF family members and that corresponds to the mature form of VEGF-C. In addition, VEGF-D is a mitogen for endothelial cells. The recombinant VEGF-D as the immunogen was expressed based on sequence from Genbank Accession# D89630, 20-354 aa.