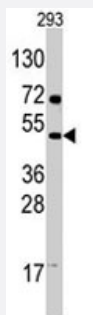


FIGF polyclonal antibody

Catalog # PAB4879

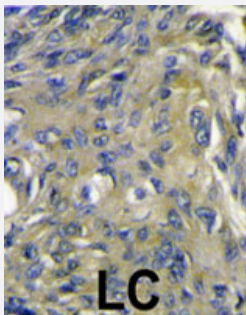
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of FIGF polyclonal antibody (Cat # PAB4879) in 293 cell lysate. FIGF (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human lung carcinoma reacted with FIGF polyclonal antibody (Cat # PAB4879), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FIGF.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human FIGF.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:250-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of FIGF polyclonal antibody (Cat # PAB4879) in 293 cell lysate. FIGF (arrow) was detected using the purified polyclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — FIGF

Entrez GeneID	2277
Protein Accession#	NP_004460.O43915
Gene Name	FIGF
Gene Alias	VEGF-D, VEGFD
Gene Description	c-fos induced growth factor (vascular endothelial growth factor D)
Omim ID	300091
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000022960|vascular endothelial growth factor D

Publication Reference

- [Sulfatase 2 promotes breast cancer progression through regulating some tumor-related factors.](#)

Zhu C, He L, Zhou X, Nie X, Gu Y.

Oncology Reports 2016 Mar; 35(3):1318.

Application: WB, Human, HBL-100, MCF-7, MDA-MB-231, MDA-MB-468, BT-549 cells

- [Metastasis via Peritumoral Lymphatic Dilation in Oral Squamous Cell Carcinoma.](#)

Kim HS, Park YW.

Maxillofacial Plastic and Reconstructive Surgery 2014 May; 36(3):85.

Application: IHC-P, Human, Oral squamous cell carcinoma

- [Plasmin activates the lymphangiogenic growth factors VEGF-C and VEGF-D.](#)

McColl BK, Baldwin ME, Roufail S, Freeman C, Moritz RL, Simpson RJ, Alitalo K, Stacker SA, Achen MG.

The Journal of Experimental Medicine 2003 Sep; 198(6):863.

Application: WB, Recombinant protein

- [Beta-catenin inversely regulates vascular endothelial growth factor-D mRNA stability.](#)

Orlandini M, Semboloni S, Oliviero S.

The Journal of Biological Chemistry 2003 Aug; 278(45):44650.

- [VEGF-D is the strongest angiogenic and lymphangiogenic effector among VEGFs delivered into skeletal muscle via adenoviruses.](#)

Rissanen TT, Markkanen JE, Gruchala M, Heikura T, Puranen A, Kettunen MI, Kholova I, Kauppinen RA, Achen MG, Stacker SA, Alitalo K, Yla-Herttuala S.

Circulation Research 2003 May; 92(10):1098.

Pathway

- [Bladder cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [mTOR signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Chorioamnionitis](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Lymphedema](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Thyroid Neoplasms](#)