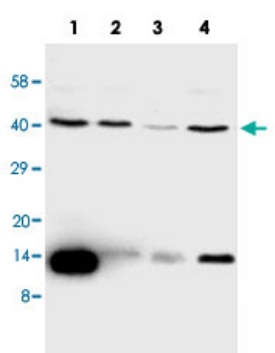
FIGF polyclonal antibody

Catalog # PAB17217 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of whole cell lysats with FIGF polyclonal antibody (Cat # PAB17217).
Lane 1 : SW620 whole cell lysate.
Lane 2 : Colo 320 whole cell lysate.
Lane 3 : 6T-CEM whole cell lysate.
Lane 4 : HT1080 whole cell lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FIGF.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human FIGF.
Host	Rabbit
Reactivity	Human
Specificity	The synthetic peptide of this antibody is identical to the related rat sequence.
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na_2HPO_4 (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)

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Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20° C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of whole cell lysats with FIGF polyclonal antibody (Cat # PAB17217).
  Lane 1 : SW620 whole cell lysate.
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Gene Info — FIGF

Entrez GeneID	2277
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

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- VEGF-D promotes the metastatic spread of tumor cells via the lymphatics.

  Stacker SA, Caesar C, Baldwin ME, Thornton GE, Williams RA, Prevo R, Jackson DG, Nishikawa S, Kubo H, Achen MG.

  Nature Medicine 2001 Feb; 7(2):186.

- Vascular endothelial growth factor D (VEGF-D) is a ligand for the tyrosine kinases VEGF receptor 2 (Flk1) and VEGF receptor 3 (Flt4).

  Achen MG, Jeltsch M, Kukk E, Makinen T, Vitali A, Wilks AF, Alitalo K, Stacker SA.

  PNAS 1998 Jan; 95(2):548.

- Molecular cloning of a novel vascular endothelial growth factor, VEGF-D.

  Yamada Y, Nezu J, Shimane M, Hirata Y.

  Genomics 1997 Jun; 42(3):483.

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

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- Pre-Eclampsia
- Premature Birth
- Thyroid Neoplasms

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