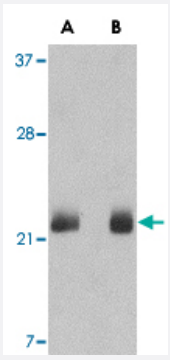
FGF4 polyclonal antibody

Catalog # PAB13022 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of FGF4 in NIH NIH/3T3 cell lysate with FGF4 polyclonal antibody (Cat # PAB13022) at (A) 0.5 and (B) 1 ug/mL .

Immunocytochemistry

Immunocytochemical staining of BALB/3T3 cells with 2.5 ug/mL FGF4 polyclonal antibody (Cat # PAB13022).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FGF4.
Immunogen	A synthetic peptide corresponding to C-terminus 18 amino acids of human FGF4.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. 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 shoul d be handled by trained staff only.

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Gene Info — FGF4

Entrez GeneID	2249
Protein Accession#	P08620
Gene Name	FGF4
Gene Alias	HBGF-4, HST, HST-1, HSTF1, K-FGF, KFGF
Gene Description	fibroblast growth factor 4
Omim ID	164980
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF f amily members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue rep air, tumor growth and invasion. This gene was identified by its oncogenic transforming activity. Thi s gene and FGF3, another oncogenic growth factor, are located closely on chromosome 11. Co-a mplification of both genes was found in various kinds of human tumors. Studies on the mouse ho molog suggested a function in bone morphogenesis and limb development through the sonic hed gehog (SHH) signaling pathway. [provided by RefSeq
Other Designations	heparin secretory transforming protein 1|human stomach cancer, transforming factor from FGF-rel ated oncogene|kaposi sarcoma oncogene|oncogene HST|transforming protein KS3

Publication Reference

- Fibroblast growth factors, their receptors and signaling.

  Powers CJ, McLeskey SW, Wellstein A.

  Endocrine-Related Cancer 2000 Sep; 7(3):165.

- Sonic hedgehog and Fgf-4 act through a signaling cascade and feedback loop to integrate growth and patterning of the developing limb bud.

  Laufer E, Nelson CE, Johnson RL, Morgan BA, Tabin C.

  Cell 1994 Dec; 79(6):993.

- An oncogene isolated by transfection of Kaposi's sarcoma DNA encodes a growth factor that is a member of the FGF family.

  Delli Bovi P, Curatola AM, Kern FG, Greco A, Ittmann M, Basilico C.

  Cell 1987 Aug; 50(5):729.

  Application: IP, Monkey, COS cells

Pathway

- MAPK signaling pathway
- Melanoma
- Pathways in cancer
- Regulation of actin cytoskeleton

Disease

- Chorioamnionitis
- Cleft Lip
- Cleft Palate
- Colorectal Neoplasms
- Fetal Membranes
- Genetic Predisposition to Disease

- Obstetric Labor
- Pre-Eclampsia
- Premature Birth
- Stomach Neoplasms