FGF2 monoclonal antibody, clone F-474

Catalog # MAB6257 Size 500 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant FGF2.
Immunogen	Recombinant protein corresponding to human FGF2.
Host	Mouse
Reactivity	Human
Form	Lyophilized
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 10 mM PBS, pH 7.2
Storage Instruction	Store at -20°C. Aliquot after reconstitution to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FGF2

Entrez GeneID	2247
Gene Name	FGF2
Gene Alias	BFGF, FGFB, HBGF-2
Gene Description	fibroblast growth factor 2 (basic)

Omim ID	134920
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF. [provided by RefSeq
Other Designations	basic fibroblast growth factor bFGF|fibroblast growth factor 2|heparin-binding growth factor 2|prostatropin

Publication Reference

- Molecular and clinical significance of fibroblast growth factor 2 (FGF2 /bFGF) in malignancies of solid and hematological cancers for personalized therapies.

  Akl MR, Nagpal P, Ayoub NM, Tai B, Prabhu SA, Capac CM, Gliksman M, Goy A, Suh KS.

  Oncotarget 2016 Jul; 7(28):44735.

- Molecular Cloning and Expression of Novel Fibroblast Growth Factor-2 Conjugated with Immunodominant Domains of Pseudomonas exotoxin.

  Haghighatfard H, Samaei NM, Farazmandfar T, Hakemi MG, Yamchi A, Jadidi-Niaragh F, Yazdani Y.

  Biomedical and Pharmacology Journal 2015 Dec; 8(2):1195.

  Application: WB-Ce, Escherichia coli, BL21 (DE3) bacterial

Pathway

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

Disease

- Alzheimer disease
- Arthritis
- Birth Weight
- Cardiovascular Diseases
- Chorioamnionitis
- Cleft Lip
- Cleft Palate
- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Retinopathy
- Edema
- Fetal Membranes
- Gastrointestinal Diseases
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Head and Neck Neoplasms
- Kidney Failure
- Leukemia
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Myocardial Infarction
- Myopia
- Neoplasm Recurrence

- Neoplasms
- Neovascularization
- Obstetric Labor
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Pre-Eclampsia
- Premature Birth