

Product Name: FGF2 Mouse Monoclonal Antibody**Catalog #: AMM80535**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	/

Antigen Information

Gene Name	FGF2
Alternative Names	BFGF; FGFB; HBGF-2; FGF2
Gene ID	2247.0
SwissProt ID	P09038
Immunogen	Purified recombinant fragment of FGF2 expressed in E. Coli.

Background

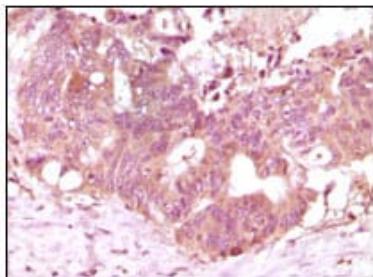
FGF2 is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. FGF2 is a single-chain polypeptide growth factor that plays a significant role in the process of wound healing and is a potent inducer of angiogenesis. Due to its basic pH, the factor is named FGF-2 (basic FGF, bFGF). Several

different forms of the human protein exist ranging from 18-24 kDa in size due to the use of alternative start sites within the fgf-2 gene. It has a 55 percent amino acid residue identity to FIBROBLAST GROWTH FACTOR 1 and has potent heparin-binding activity. The growth factor is an extremely potent inducer of DNA synthesis in a variety of cell types from mesoderm and neuroectoderm lineages. It was originally named basic fibroblast growth factor based upon its chemical properties and to distinguish it from acidic fibroblast growth factor (FIBROBLAST GROWTH FACTOR 1).

Research Area

TGF-beta signaling pathway,PI3K-Akt signaling pathway,MAPK signaling pathway

Image Data



Immunohistochemical analysis of paraffin-embedded human rectum adenocarcinoma tissue showing cytoplasmic localization using FGF2 mouse mAb with DAB staining.