

FGF2 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3395
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of FGF2 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC
Concentration	N/A
Full name	N/A
Synonyms	BFGF;FGFB;HBGF-2;FGF2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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).

Recommended Dilution

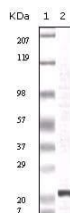
WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

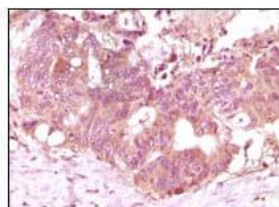
ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using FGF2 mouse mAb against truncated FGF2 recombinant protein.



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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