

Product Name: FGF2 Mouse Monoclonal Antibody
Catalog #: AMM82369



Summary

Production Name	FGF2 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	ICC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	FGF2
Alternative Names	BFGF; FGFB; FGF-2; HBGF-2
Gene ID	2247.0
SwissProt ID	P09038.Purified recombinant fragment of human FGF2 (AA: 143-288) expressed in E. Coli.

Application

Dilution Ratio	ICC:1:200-1:1000,ELISA:1:10000
Molecular Weight	30.7kDa

Background

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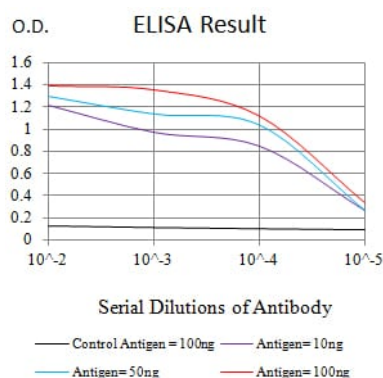


The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, 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.

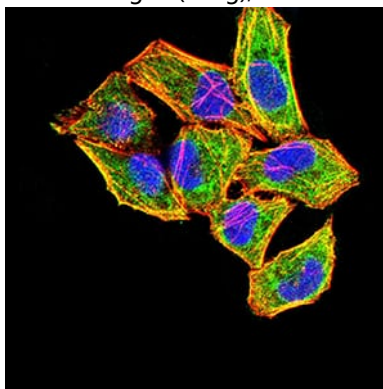
Research Area

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

Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Immunofluorescence analysis of HeLa cells using FGF2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Note

For research use only.