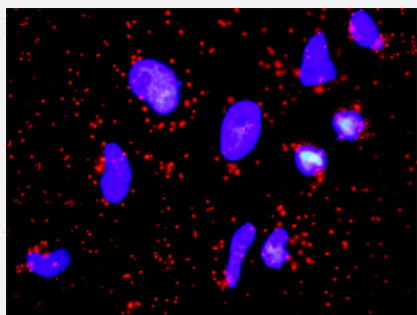


FGF1 monoclonal antibody (M01), clone 3F5

Catalog # H00002246-M01

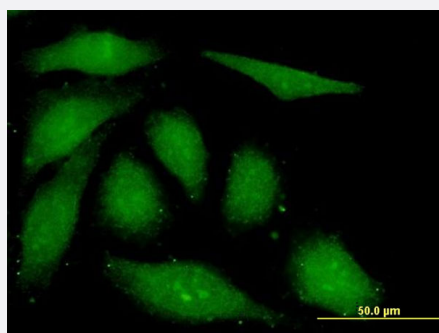
Size 100 ug

Applications



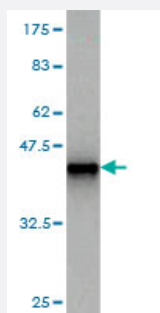
In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between FGFR2 and FGF1. HeLa cells were stained with anti-FGFR2 rabbit purified polyclonal 1:1200 and anti-FGF1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Immunofluorescence

Immunofluorescence of monoclonal antibody to FGF1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant FGF1.

Immunogen	FGF1 (AAH32697, 46 a.a. ~ 155 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VDGTRDRSDQHIQLQLSAESVGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNT YISKKHAEKNWVFGVLKKNKSGCKRGPRTHYGQKAILFLPLPVSSD
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between FGFR2 and FGF1. HeLa cells were stained with anti-FGFR2 rabbit purified polyclonal 1:1200 and anti-FGF1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

- Immunofluorescence

Immunofluorescence of monoclonal antibody to FGF1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — FGF1

Entrez GeneID	2246
GeneBank Accession#	BC032697
Protein Accession#	AAH32697
Gene Name	FGF1

Gene Alias	AFGF, ECGF, ECGF-beta, ECGFA, ECGFB, FGF-alpha, FGFA, GLIO703, HBGF1
Gene Description	fibroblast growth factor 1 (acidic)
Omim ID	131220
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq]
Other Designations	OTTHUMP00000066028 OTTHUMP00000066030 OTTHUMP00000066031 OTTHUMP00000174675 endothelial cell growth factor, alpha endothelial cell growth factor, beta heparin-binding growth factor 1

Publication Reference

- [Acidic Fibroblast Growth Factor \(FGF\) Potentiates Glial-mediated Neurotoxicity by Activating FGFR2 IIIb Protein.](#)

Lee M, Kang Y, Suk K, Schwab C, Yu S, McGeer PL.

The Journal of Biological Chemistry 2011 Dec; 286(48):41230.

Application: WB-Ce, Human, THP-1, U373, SH-SY5Y, NT-2, SK-N-MC cells, Microglia, Astrocytes

Pathway

- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Alzheimer disease](#)

- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Endometriosis](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
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- [Hypertension](#)
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