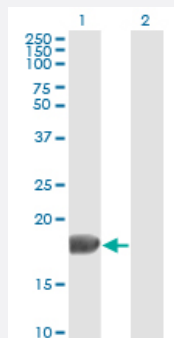


FGF1 monoclonal antibody (M02), clone 2E12

Catalog # H00002246-M02

Size 100 ug

Applications

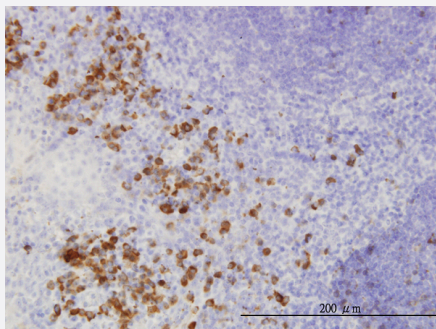


Western Blot (Transfected lysate)

Western Blot analysis of FGF1 expression in transfected 293T cell line by FGF1 monoclonal antibody (M02), clone 2E12.

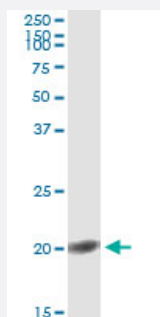
Lane 1: FGF1 transfected lysate (17.5 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to FGF1 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

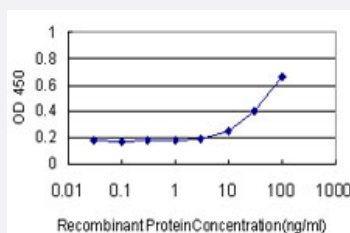


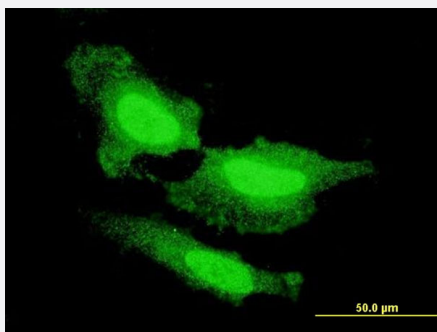
Immunoprecipitation

Immunoprecipitation of FGF1 transfected lysate using anti-FGF1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FGF1 MaxPab rabbit polyclonal antibody.

Sandwich ELISA (Recombinant protein)

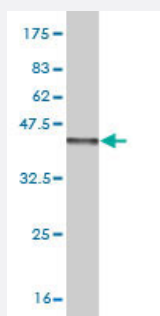
Detection limit for recombinant GST tagged FGF1 is approximately 10ng/ml as a capture antibody.





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 YISKKHAEKNWFVGLKKNKSGCKRGPRTHYGQKAILFLPLPVSSD
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 (Transfected lysate)

Western Blot analysis of FGF1 expression in transfected 293T cell line by FGF1 monoclonal antibody (M02), clone 2E12.

Lane 1: FGF1 transfected lysate(17.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to FGF1 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of FGF1 transfected lysate using anti-FGF1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FGF1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FGF1 is approximately 10ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — FGF1

Entrez GeneID	2246
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GeneBank Accession#	BC032697
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Protein Accession#	AAH32697
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Gene Name	FGF1
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Gene Alias	AFGF, ECGF, ECGF-beta, ECGFA, ECGFB, FGF-alpha, FGFA, GLIO703, HBGF1
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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

- [Neurovascular unit pathology is observed very early in disease progression in the mutant SOD1 G93A mouse model of amyotrophic lateral sclerosis.](#)

Masaaki Yoshikawa, Shin Aizawa, Ronald W Oppenheim, Carol Milligan.

Experimental Neurology 2022 Jul; 353:114084.

Application: WB-Ti, Mouse, Mouse spinal cord

- [Co-expression of podoplanin and fibroblast growth factor 1 predicts poor prognosis in patients with lung squamous cell carcinoma.](#)

Li J, Chen H, Li X, Wang L, Gao A, Zhang P, Lin W, Gao W, Yang D, Guo X, Liu J, Dang Q, Sun Y.

Molecular MedicineReports 2017 Jun; 16(2):1643.

Application: IHC-P, WB-Tr, Human, Human primary lung squamous cell carcinoma tissues, NCI-H226 cells

- [Repression of the DCL2 and DCL4 genes in Nicotiana benthamiana plants for the transient expression of recombinant proteins.](#)

Matsuo K, Matsumura T.

Journal of Bioscience and Bioengineering 2017 Aug; 124(2):215.

Application: WB-Re, Recombinant protein

- [A simple agroinfiltration method for transient gene expression in plant leaf discs.](#)

Matsuo K, Fukuzawa N, Matsumura T.

Journal of Bioscience and Bioengineering 2016 Sep; 122(3):351.

Application: WB-Ti, Plant, Leaf discs

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](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Intracranial Aneurysm](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)

- [Neovascularization](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Schizophrenia](#)