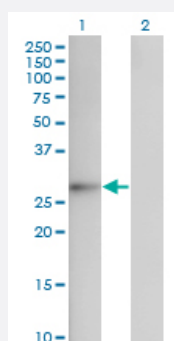


# FGF12 monoclonal antibody (M10), clone 1D9

Catalog # H00002257-M10

Size 100 ug

## Applications

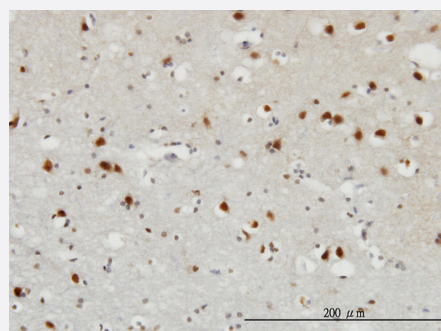


### Western Blot (Transfected lysate)

Western Blot analysis of FGF12 expression in transfected 293T cell line by FGF12 monoclonal antibody (M10), clone 1D9.

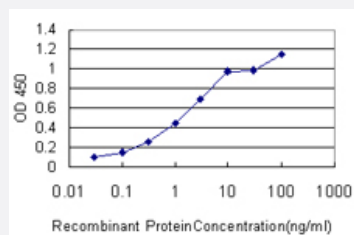
Lane 1: FGF12 transfected lysate(27.4 kDa).

Lane 2: Non-transfected lysate.



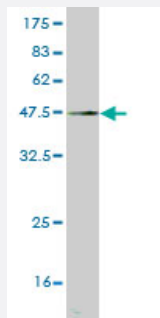
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to FGF12 on formalin-fixed paraffin-embedded human cerebral cortex. [antibody concentration 3 ug/ml]



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FGF12 is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (45.65 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full length recombinant FGF12.
<b>Immunogen</b>	FGF12 (AAH22524, 1 a.a. ~ 181 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MESKEPQLKGMTRLFSQQGYFLQMHPDGTIDGTDKENS DYTLFNLIPVGLRVVAIQGVKASLYVAMNGEGYLYSSDVFTPECKFKESVFENYYVYSSTLYRQQESGRAWFLGLNKEGQIMKGNRVKKTKPSSHFPKPIEVCMYREQLHEIGEKQGRSRKSSGPTMNGGKVVNQDST
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG1 Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (45.65 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of FGF12 expression in transfected 293T cell line by FGF12 monoclonal antibody (M10), clone 1D9.

Lane 1: FGF12 transfected lysate(27.4 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 FGF12 on formalin-fixed paraffin-embedded human cerebral cortex. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FGF12 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — FGF12

Entrez GeneID [2257](#)

GeneBank Accession# [BC022524](#)

Protein Accession# [AAH22524](#)

Gene Name FGF12

Gene Alias FGF12B, FHF1

Gene Description fibroblast growth factor 12

Omim ID [601513](#)

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 growth factor lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

**Other Designations**

fibroblast growth factor 12B|fibroblast growth factor FGF-12b|fibroblast growth factor homologous factor 1|myocyte-activating factor

## Publication Reference

- [Identification and Validation of Fibroblast Growth Factor 12 Gene as a Novel Potential Biomarker in Esophageal Cancer Using Cancer Genomic Datasets.](#)

Bhushan A, Singh A, Kapur S, Borthakar BB, Sharma J, Rai AK, Kataki AC, Saxena S.

Omics : a Journal of Integrative Biology 2017 Oct; 21(10):616.

Application: WB-Tr, Human, KYSE410 cells

- [Genome-wide analysis of chromosomal alterations in patients with esophageal squamous cell carcinoma exposed to tobacco and betel quid from high-risk area in India.](#)

Chattopadhyay I, Singh A, Phukan R, Purkayastha J, Kataki A, Mahanta J, Saxena S, Kapur S.

Mutation Research 2010 Feb; 696(2):130.

Application: IHC-P, Human, Tissue microarray

## Pathway

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

## Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)