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# FGF12 Antibody (monoclonal) (M10)

Mouse monoclonal antibody raised against a full length recombinant FGF12.
Catalog # AT2032a

## Product Information

| | |
|---|---|
| **Application** | WB, IHC, E |
| **Primary Accession** | P61328 |
| **Other Accession** | BC022524 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG1 Kappa |
| **Clone Names** | 1D9 |
| **Calculated MW** | 27399 |

## Additional Information

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|---|---|
| **Gene ID** | 2257 |
| **Other Names** | Fibroblast growth factor 12, FGF-12, Fibroblast growth factor homologous factor 1, FHF-1, Myocyte-activating factor, FGF12, FGF12B, FHF1 |
| **Target/Specificity** | FGF12 (AAH22524, 1 a.a. ~ 181 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 IHC~~1:100~500 E~~N/A |
| **Format** | Clear, colorless solution in phosphate buffered saline, pH 7.2 . |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Precautions** | FGF12 Antibody (monoclonal) (M10) is for research use only and not for use in diagnostic or therapeutic procedures. |

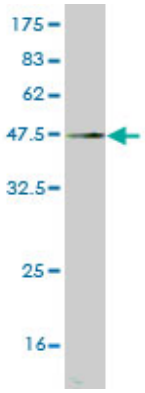
## Background

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.

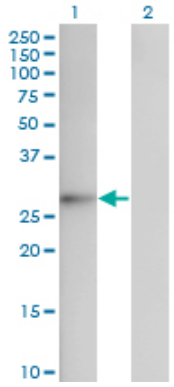
## References

1.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.Mutat Res. 2010 Jan 18. [Epub ahead of print]

## Images

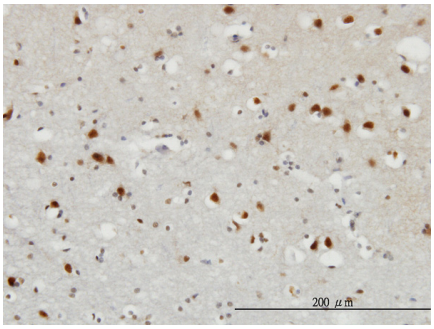



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (45.65 KDa) .

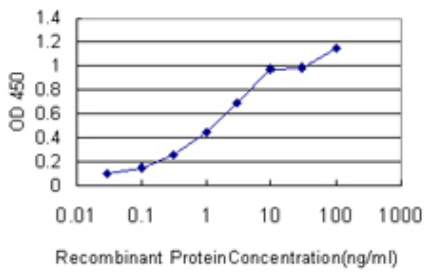



Western Blot analysis of FGF12 expression in transfected 293T cell line by FGF12 monoclonal antibody (M10), clone 1D9.

Lane 1: FGF12 transfected lysate(27.4 KDa).
Lane 2: Non-transfected lysate.




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




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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.