

For Research Use Only

# FGF18 Monoclonal antibody

Catalog Number: 60341-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 60341-1-Ig	<b>GenBank Accession Number:</b> BC006245	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1188 $\mu$ g/ml	<b>GeneID (NCBI):</b> 8817	<b>CloneNo.:</b> 1D11D12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O76093	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> fibroblast growth factor 18	
<b>Immunogen Catalog Number:</b> AG2041	<b>Calculated MW:</b> 207 aa, 24 kDa	
	<b>Observed MW:</b> 21 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HT-1080 cells, NIH/3T3 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rabbit	
<b>Cited Species:</b> human	

## Background Information

FGF18 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. It has been shown in vitro that this protein is able to induce neurite outgrowth in PC12 cells. Studies of the similar proteins in mouse and chick suggested that this protein is a pleiotropic growth factor that stimulates proliferation in a number of tissues, most notably the liver and small intestine. Knockout studies of the similar gene in mice implied the role of this protein in regulating proliferation and differentiation of midline cerebellar structures.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kai Guo	35277183	J Exp Clin Cancer Res	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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## Selected Validation Data



HT-1080 cells were subjected to SDS PAGE followed by western blot with 60341-1-Ig (FGF18 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.