

For Research Use Only

# FGF18 Polyclonal antibody

Catalog Number: 11495-1-AP **3 Publications**



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>11495-1-AP                          | <b>GenBank Accession Number:</b><br>BC006245     | <b>Purification Method:</b><br>Antigen affinity purification      |
| <b>Size:</b><br>150ul , Concentration: 300 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>8817                    | <b>Recommended Dilutions:</b><br>IHC 1:50-1:500<br>IF 1:200-1:800 |
| <b>Source:</b><br>Rabbit                                      | <b>Full Name:</b><br>fibroblast growth factor 18 |   |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>207 aa, 24 kDa          |   |
| <b>Immunogen Catalog Number:</b><br>AG2041                    |  |   |

## Applications

|   |   |
|---|---|
| <b>Tested Applications:</b><br>IF, IHC, ELISA | <b>Positive Controls:</b><br>IHC : mouse kidney tissue, mouse embryo tissue,<br>mouse heart tissue<br>IF : HepG2 cells, |
| <b>Cited Applications:</b><br>IF, IHC, WB     |   |
| <b>Species Specificity:</b><br>human, mouse   |   |
| <b>Cited Species:</b><br>human, mouse         |   |

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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 |
|--------------|-----------|-----------------------|-------------|
| Keke Guo     | 36388783  | Ann Transl Med        | WB,IF       |
| Kai Guo      | 35277183  | J Exp Clin Cancer Res | IHC         |
| Jungang Zhao | 34305588  | Front Pharmacol       | WB, IHC     |

## Storage

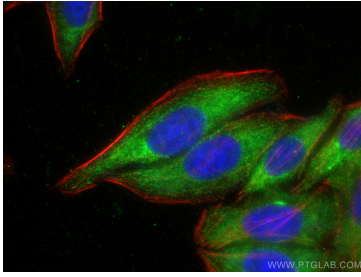
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

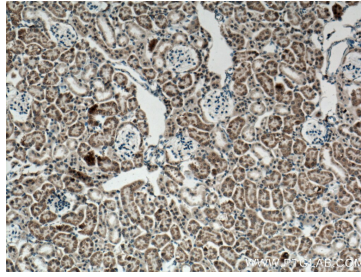
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E: proteintech@ptglab.com  
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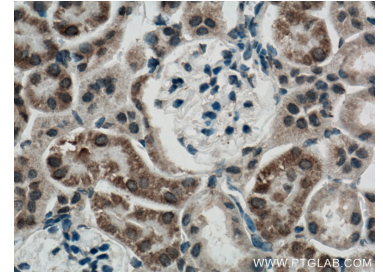
## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using FGF18 antibody (11495-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 11495-1-AP (FGF18 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 11495-1-AP (FGF18 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).