

For Research Use Only

# FGF12 Polyclonal antibody

Catalog Number: 13784-1-AP

Featured Product

5 Publications



## Basic Information

**Catalog Number:**

13784-1-AP

**Size:**

260 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4797

**GenBank Accession Number:**

BC022524

**GeneID (NCBI):**

2257

**UNIPROT ID:**

P61328

**Full Name:**

fibroblast growth factor 12

**Calculated MW:**

181 aa, 20 kDa

**Observed MW:**

20-22 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:12000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IHC, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

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

**Positive Controls:**

WB : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : mouse brain tissue,

## Background Information

FGF12 is a member of the FGF family. FGF family members play important roles in embryogenesis, angiogenesis, and wound repair. FGF12 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. FGF12 plays an intracellular role in the inhibition of radiation-induced apoptosis. FGF12 is expressed abundantly in developing and adult nervous systems; therefore, FGF12 was thought to be related to nervous system development and function.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jana Velišková	33982289	Epilepsia	WB
Yukiko Hanada	30065296	Sci Rep	WB,IF
Yudong Gao	39122707	Nat Commun	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:

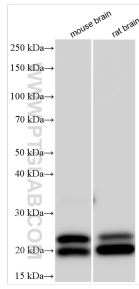
T: 4006900926

E: Proteintech-CN@ptglab.com

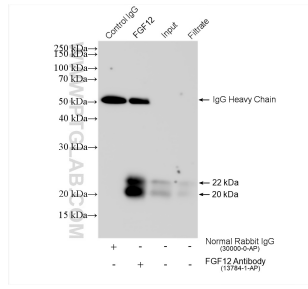
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

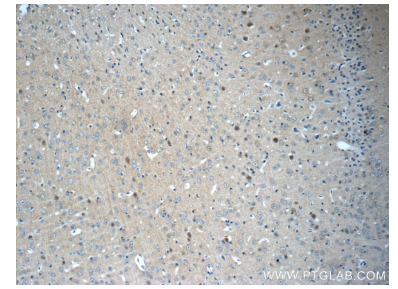
## Selected Validation Data



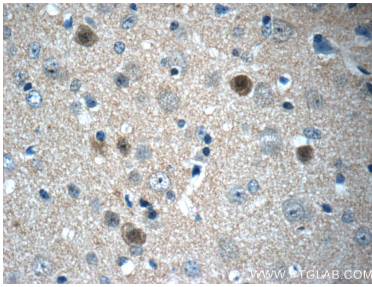
Various lysates were subjected to SDS PAGE followed by western blot with 13784-1-AP (FGF12 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP result of anti-FGF12 (IP:13784-1-AP, 4ug; Detection:13784-1-AP 1:6000) with mouse brain tissue lysate 1280 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13784-1-AP (FGF12 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13784-1-AP (FGF12 Antibody) at dilution of 1:50 (under 40x lens).