

For Research Use Only

FGF12 Polyclonal antibody

Catalog Number: 13784-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 13784-1-AP	GenBank Accession Number: BC022524	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2257	Recommended Dilutions: WB 1:2000-1:12000 IP 0.5-4.0 ug for IP and 1:2000-1:12000 for WB
Source: Rabbit	Full Name: fibroblast growth factor 12	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 181 aa, 20 kDa	
Immunogen Catalog Number: AG4797	Observed MW: 20-22 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Cited Applications: IF, WB	IP : mouse brain tissue,
Species Specificity: human, mouse, rat	IHC : mouse brain tissue,
Cited Species: human, rat, 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

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
Erin A Greguske	37100209	Neurobiol Dis	IF

Storage

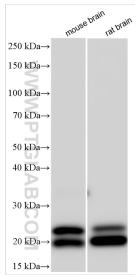
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

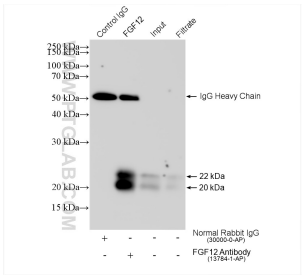
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

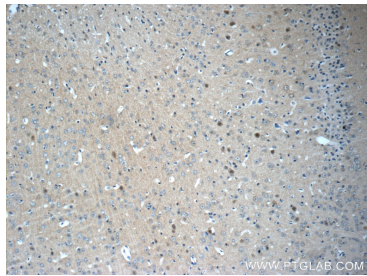
Selected Validation Data



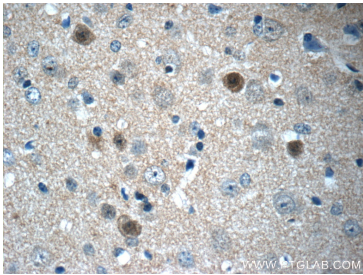
Various lysates were subjected to SDS PAGE followed by western blot with 13784-1-AP (FGF12 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



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).