

For Research Use Only

# FGF12 Monoclonal antibody

Catalog Number: 60152-1-Ig



## Basic Information

Catalog Number:

60152-1-Ig

Size:

150ul , Concentration: 1200 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG5046

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 kDa

Purification Method:

Protein A purification

CloneNo.:

2F11A10

Recommended Dilutions:

WB: 1:2000-1:10000

FC (Intra): 0.80 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : mouse brain tissue, human brain tissue, rat brain tissue

FC (Intra) : HeLa cells,

## Background Information

FGF12 is a member of the fibroblast growth factor (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.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

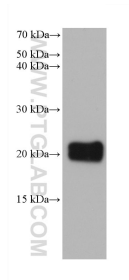
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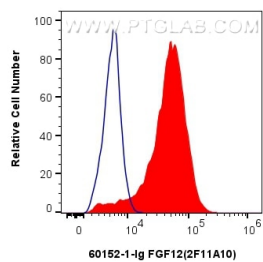
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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 60152-1-Ig (FGF12 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.8 ug FGF12 Monoclonal antibody (60152-1-Ig, Clone:2F11A10) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1) (red), or 0.8 ug Mouse IgG2b isotype control Mouse McAb (66360-3-Ig, Clone: 11B8C4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).