

For Research Use Only

# FGF12 Monoclonal antibody, PBS Only



Catalog Number: 60152-1-PBS

## Basic Information

<b>Catalog Number:</b> 60152-1-PBS	<b>GenBank Accession Number:</b> BC022524	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2257	<b>CloneNo.:</b> 2F11A10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P61328	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> fibroblast growth factor 12	
<b>Immunogen Catalog Number:</b> AG5046	<b>Calculated MW:</b> 181 aa, 20 kDa	
	<b>Observed MW:</b> 20 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## 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

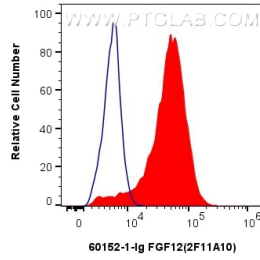
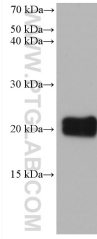
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
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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. This data was developed using the same antibody clone with 60152-1-PBS in a different storage buffer formulation.

$1 \times 10^6$  HeLa cells were intracellularly stained with 0.8  $\mu$ g FGF12 Monoclonal antibody (60152-1-Ig, Clone:2F11A10) and CoraLite<sup>®</sup>488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.8  $\mu$ g 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). This data was developed using the same antibody clone with 60152-1-PBS in a

