

For Research Use Only

# FMR1 Monoclonal antibody, PBS Only



Catalog Number: 66548-1-PBS

Featured Product

## Basic Information

**Catalog Number:**

66548-1-PBS

**Size:**

100ug, Concentration: 1mg/ml by Nanodrop;

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG4697

**GenBank Accession Number:**

BC038998

**GeneID (NCBI):**

2332

**UNIPROT ID:**

Q06787

**Full Name:**

fragile X mental retardation 1

**Calculated MW:**

632 aa, 71 kDa

**Observed MW:**

69-72 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2B5B5

## Applications

**Tested Applications:**

Indirect ELISA, IP, IHC, WB

**Species Specificity:**

rat, mouse, human

## Background Information

The selective RNA-binding protein FMRP forms a messenger ribonucleoprotein complex that associates with polyribosomes, implicating in regulation of translation. FMR1 is a component of the CYFIP1-EIF4E-FMR1 complex which binds to and represses the mRNA. It also has a role in the transport of mRNA from the nucleus to the cytoplasm. FMR1 exists several isoforms and the molecular weight of FMR1 is about 59-72 kDa.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

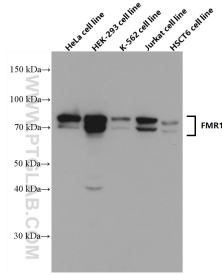
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

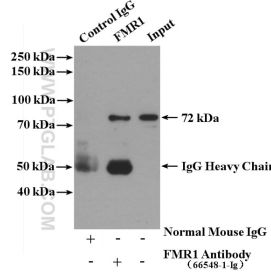
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

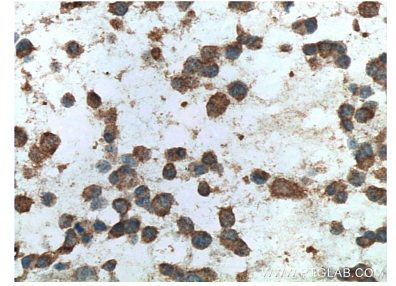
## Selected Validation Data



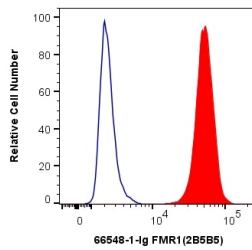
Various lysates were subjected to SDS PAGE followed by western blot with 66548-1-Ig (FMR1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66548-1-PBS in a different storage buffer formulation.



IP result of anti-FMR1 (IP:66548-1-Ig, 5ug; Detection:66548-1-Ig 1:3000) with HeLa cells lysate 3200 ug. This data was developed using the same antibody clone with 66548-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66548-1-Ig (FMR1 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66548-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug Anti-Human FMR1 (66548-1-Ig, Clone:2B5B5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (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 66548-1-PBS in a

