

For Research Use Only

FMR1 Monoclonal antibody, PBS Only



Catalog Number: 66548-1-PBS

Featured Product

Basic Information

Catalog Number: 66548-1-PBS	GenBank Accession Number: BC038998	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 2332	CloneNo.: 2B5B5
Source: Mouse	UNIPROT ID: Q06787	
Isotype: IgG2a	Full Name: fragile X mental retardation 1	
Immunogen Catalog Number: AG4697	Calculated MW: 632 aa, 71 kDa	
	Observed MW: 69-72 kDa	

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

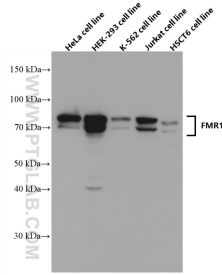
T: 4006900926

E: Proteintech-CN@ptglab.com

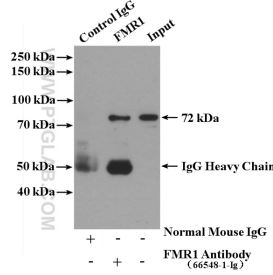
W: ptgcn.com

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

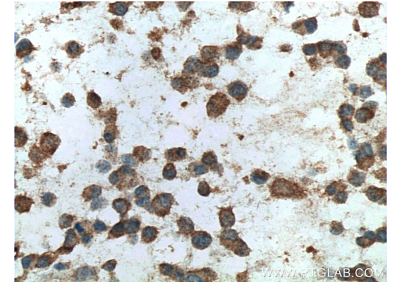
Selected Validation Data



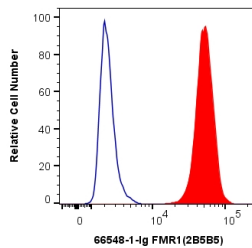
Various lysates were subjected to SDS PAGE followed by western blot with 66548-1-Ig (FMR1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66548-1-PBS in a different storage buffer formulation.



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.



1X10⁶ 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

