

FMR1 Recombinant monoclonal antibody

Catalog Number: 87803-1-RR

Basic Information

Catalog Number: 87803-1-RR	GenBank Accession Number: BC038998	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2332	CloneNo.: 253415C12
Source: Rabbit	UNIPROT ID: Q06787	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000 IF/ICC: 1:200-1:800
Isotype: IgG	Full Name: fragile X mental retardation 1	
Immunogen Catalog Number: AG4697	Calculated MW: 632 aa, 71 kDa Observed MW: 59-72 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, mouse brain tissue, HEK-293 cells, K-562 cells, Jurkat cells, rat brain tissue

IHC : human prostate cancer tissue,

IF/ICC : HeLa cells,

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

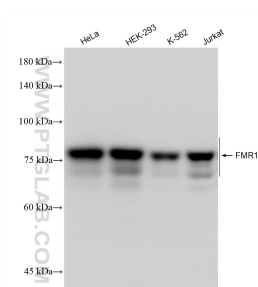
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

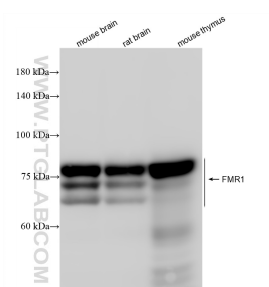
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

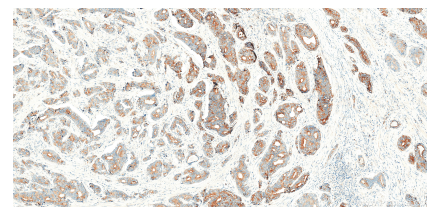
Selected Validation Data



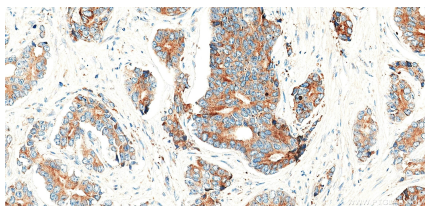
Various lysates were subjected to SDS PAGE followed by western blot with 87803-1-RR (FMR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



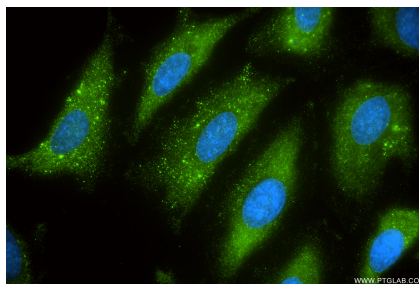
Various lysates were subjected to SDS PAGE followed by western blot with 87803-1-RR (FMR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 87803-1-RR (FMR1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 87803-1-RR (FMR1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using FMR1 antibody (87803-1-RR, Clone: 253415C12) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).