

Product datasheet for **CF504342**

FMRP (FMR1) Mouse Monoclonal Antibody [Clone ID: OT11H9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT11H9
Applications:	FC, WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 36-279 of human FMR1(NP_002015) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	71 kDa
Gene Name:	FMRP translational regulator 1
Database Link:	NP_002015 Entrez Gene 14265 Mouse Entrez Gene 24948 Rat Entrez Gene 2332 Human Q06787



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Background:

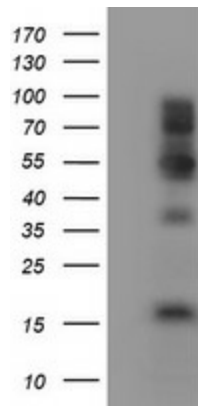
The protein encoded by this gene binds RNA and is associated with polysomes. The encoded protein may be involved in mRNA trafficking from the nucleus to the cytoplasm. A trinucleotide repeat (CGG) in the 5' UTR is normally found at 6-53 copies, but an expansion to 55-230 repeats is the cause of fragile X syndrome. Expansion of the trinucleotide repeat may also cause one form of premature ovarian failure (POF1). Multiple alternatively spliced transcript variants that encode different protein isoforms and which are located in different cellular locations have been described for this gene. [provided by RefSeq]

Synonyms:

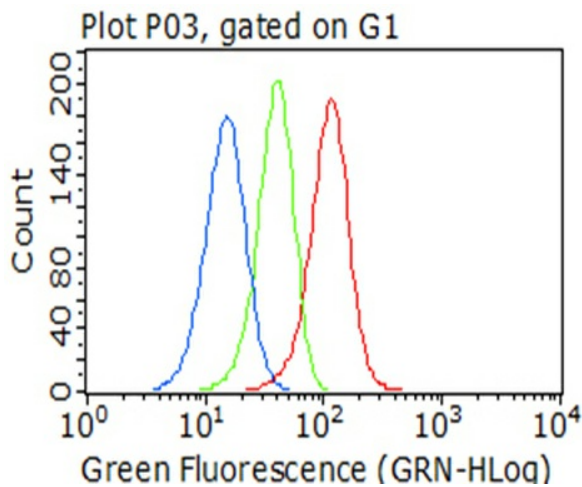
FMRP; FRAXA; POF; POF1; POFX

Protein Families:

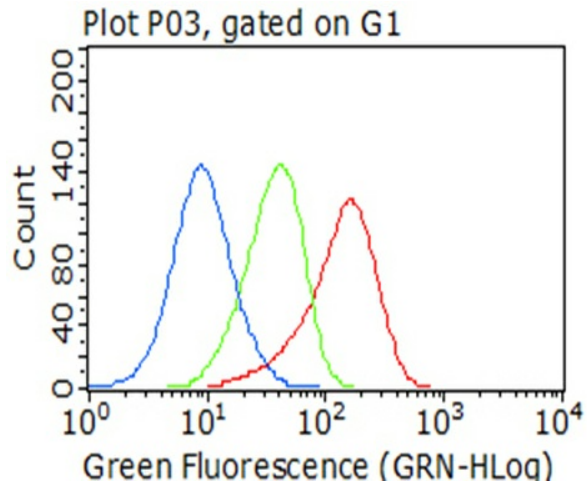
Druggable Genome

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FMR1 ([RC222699], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FMR1. Positive lysates [LY419580] (100ug) and [LC419580] (20ug) can be purchased separately from OriGene.



Flow cytometric Analysis of permeabilized Hela cells, using anti-FMR1 antibody ([TA504342]), (Red), compared to an IgG isotype control, (green), and negative control (PBS), (Blue) (1:100).



Flow cytometric Analysis of permeabilized Jurkat cells, using anti-FMR1 antibody ([TA504342]), (Red), compared to an IgG isotype control, (green), and negative control (PBS), (Blue) (1:100).