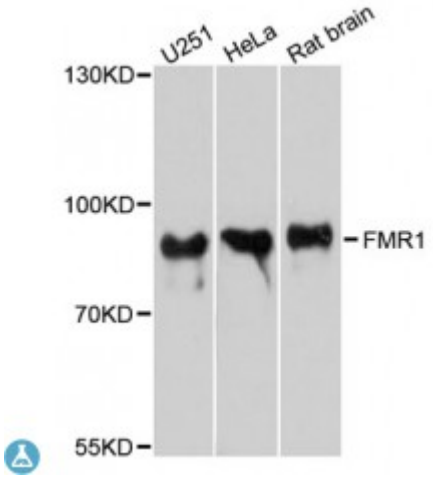
# Anti-FMR1 Antibody

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| **Description** | 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. |

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| **Model** | STJ113567 |
| **Host** | Rabbit |
| **Reactivity** | Human, Rat |
| **Applications** | WB |
| **Immunogen** | A synthetic peptide corresponding to a sequence within amino acids 500-600 of human FMR1 (NP_002015.1). |
| **Gene ID** | 2332 |
| **Gene Symbol** | FMR1 |
| **Dilution range** | WB 1:500 - 1:1000 |
| **Tissue Specificity** | Expressed in the brain, cerebellum and testis |
| **Purification** | Affinity purification |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | Synaptic functional regulator FMR1 Fragile X mental retardation protein 1 |

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| | FMRP Protein FMR-1 |
| **Molecular Weight** | 71.174 kDa |
| **Clonality** | Polyclonal |
| **Conjugation** | Unconjugated |
| **Isotype** | IgG |
| **Formulation** | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| **Storage Instruction** | Store at -20C. Avoid freeze / thaw cycles. |
| **Database Links** | HGNC:3775OMIM:300623 |
| **Alternative Names** | Synaptic functional regulator FMR1 Fragile X mental retardation protein 1 FMRP Protein FMR-1 |
| **Function** | Multifunctional polyribosome-associated RNA-binding protein that plays a central role in neuronal development and synaptic plasticity through the regulation of alternative mRNA splicing, mRNA stability, mRNA dendritic transport and postsynaptic local protein synthesis of a subset of mRNAs components, |
| **Cellular Localization** | Nucleus, Isoform 11: Nucleus |
| **Post-translational Modifications** | Phosphorylated , |