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Product datasheet for AM06321SU-N

FMRP (FMR1) Mouse Monoclonal Antibody [Clone ID: 4G9]

Product data:

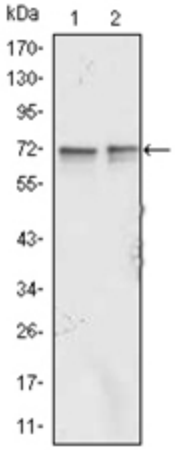
Product Type:	Primary Antibodies
Clone Name:	4G9
Applications:	IF, IHC, WB
Recommended Dilution:	**ELISA:** 1/10000. **Western Blot:** 1/500 - 1/2000. **Immunofluorescence:** 1/200 - 1/1000. **Immunohistochemistry on Paraffin Sections:** 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human FMR1 expressed in E. Coli.
Specificity:	Recognizes FMR1 also known as POF, FMRP, FRAXA.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	71 kDa
Gene Name:	fragile X mental retardation 1
Database Link:	Entrez Gene 2332 Human Q06787

View online »

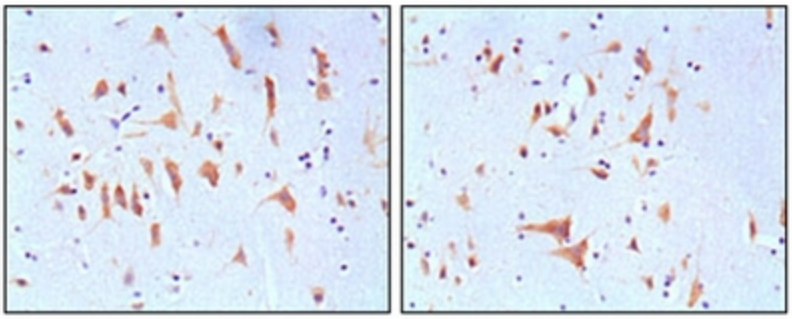
Background: FMR1, also known as POF, FMRP, FRAXA. Entrez Protein is an RNA-binding protein that associates with polyribosomes and is a likely component of a messenger ribonuclear protein (mRNP) particle The protein may be involved in mRNA trafficking from the nucleus to the cytoplasm. A trinucleotide 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). RNA-binding protein that plays a role in intracellular RNA transport and in the regulation of translation of target mRNAs.

Synonyms: Fragile X mental retardation 1 protein, Protein FMR-1

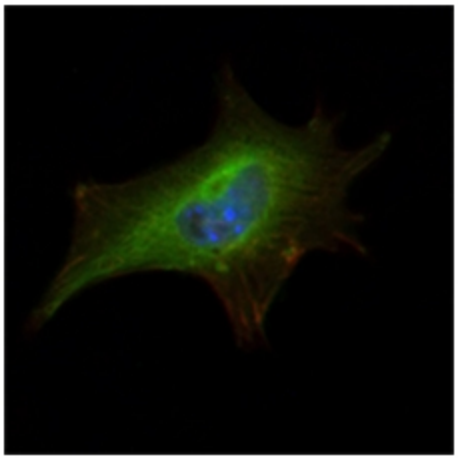
Product images:



Western blot analysis using FMR1 antibody Cat.-No AM06321SU-N against Jurkat (Lane 1) and K562 (Lane 2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human brain tissues, showing cytoplasmic localization with DAB staining using FMR1 antibody Cat.-No AM06321SU-N



Immunofluorescence analysis of NIH/3T3 cells using FMR1 antibody Cat.-No AM06321SU-N (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.