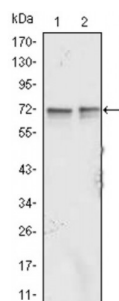


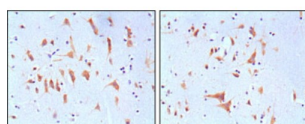
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Fragile X Mental Retardation 1 (FMR1) Antibody

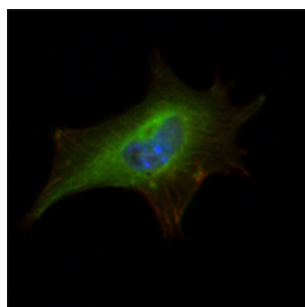
Catalogue No.: abx010789



Western blot analysis using FMR1 antibody against Jurkat (1) and K562 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded human brain tissues, showing cytoplasmic localization with DAB staining using FMR1 antibody.



Immunofluorescence analysis of NIH/3T3 cells using FMR1 antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

FMR1, also known as POF, FMRP, FRAXA. Entrez Protein: NP002015. It 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.

Target: FMR1

Reactivity: Human

Host: Mouse

Clonality: Monoclonal

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

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Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Purified recombinant fragment of human FMR1 expressed in E. Coli.

Purification: Unpurified Ascites.

Isotype: IgG₁

Conjugation: Unconjugated

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight: 71 kDa

Swiss Prot: [Q06787](#)

GeneID: [2332](#)

Gene Symbol: FMR1

OMIM: [309550](#)

HGNC: 3775

Ensembl: ENSG00000102081

Buffer: Ascitic fluid containing 0.03% sodium azide.

Note: This product is for research use only.