



Category: Monoclonal Antibodies

Product Name: Mouse Monoclonal Antibody to FMR1

Catalog Number: MAB-606020327

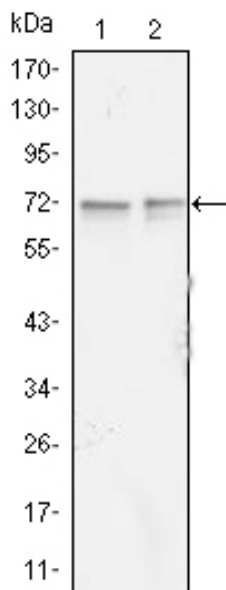


Figure 1: Western blot analysis using FMR1 mouse mAb against Jurkat (1) and K562 (2) cell lysate.

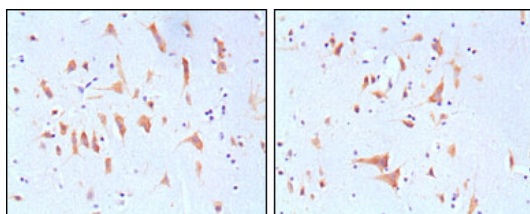


Figure 2: Immunohistochemical analysis of paraffin-embedded human brain tissues, showing cytoplasmic localization with DAB staining using FMR1 mouse mAb.

Lot#:
Clone#: 4G9
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 71kDa
Aliases: POF; FMRP; POF1; FRAXA
Entrez Gene: 2332
Species reactivity: Human

Description FMR1, also known as POF, FMRP, FRAXA. Entrez Protein: NP_002015. 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.

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

Application Western Blotting: 1/500 - 1/2000.

Immunohistochemistry: 1/200 - 1/1000.

Immunofluorescence: 1/200 - 1/1000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product

References 1. BMC Mol Biol. 2008 Oct 15;9:89.
2. Fertil Steril. 2008 Oct 28.

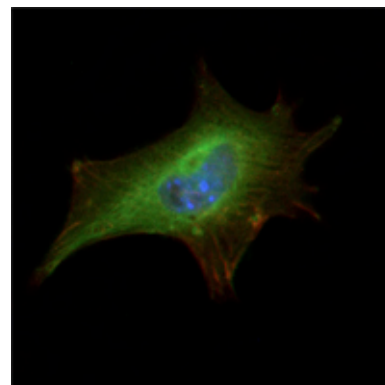


Figure 3: Immunofluorescence analysis of NIH/3T3 cells using FMR1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com