

FMR1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4721
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human FMR1 expressed in E. Coli.
Mol wt	71kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC,ICC
Concentration	N/A
Full name	N/A
Synonyms	POF;FMRP;POF1;FRAXA

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

WB: 1:500 - 1:2000

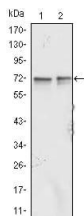
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

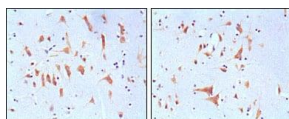
ELISA: 1:10000

Not yet tested in other applications.

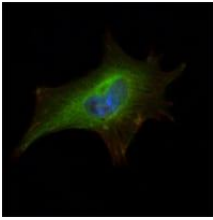
Images



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



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



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.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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