

Mouse anti-Human FMR1 Antibody | anti-FMR1 antibody

FMR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108805	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

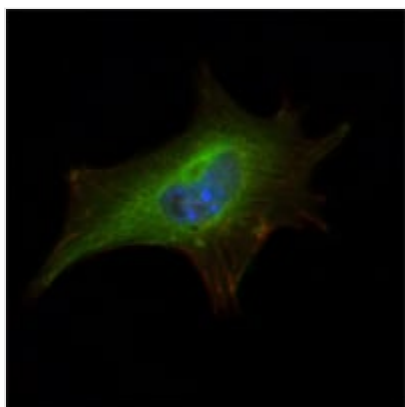
PRODUCT SYNONYMS

FMR1; FMR1 Antibody; POF; FMRP; POF1; FRAXA; anti-FMR1 antibody

PRODUCT SPECIFICATIONS

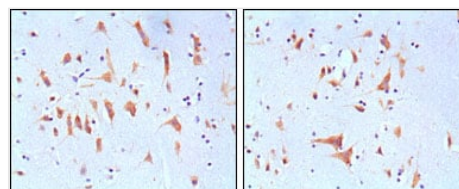
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	4G9
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	537
Applicable Applications for anti-FMR1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human FMR1 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



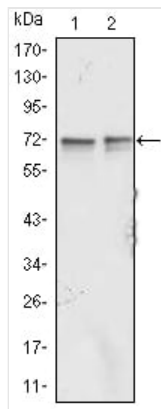
Application Data

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.



Application Data

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



Application Data

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

ADDITIONAL INFORMATION

Related Product Information for anti-FMR1 antibody	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.
Product Categories/Family for anti-FMR1 antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	297374777
NCBI GeneID	2332
NCBI Accession #	NP_001172004.1
NCBI GenBank Nucleotide #	NM_001185075.1
UniProt Accession #	Q06787; Q16578; Q5PQZ6; Q99054; A6NNH4; D3DWT0; D3DWT1; D3DWT2; G8JL90
Molecular Weight	71kDa
NCBI Official Full Name	synaptic functional regulator FMR1 isoform ISO6
NCBI Official Synonym Full Names	fragile X mental retardation 1
NCBI Official Symbol	FMR1
NCBI Official Synonym Symbols	POF; FMRP; POF1; FRAXA
NCBI Protein Information	synaptic functional regulator FMR1
UniProt Protein Name	Synaptic functional regulator FMR1
UniProt Gene Name	FMR1
UniProt Synonym Gene Names	Protein FMR-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.