

Mouse FMR1 / FMRP Monoclonal Antibody | anti-FMR1 / FMRP antibody

Anti-FMR1 / FMRP Antibody (clone 1D10) IHC-plus

CATALOG # AAA52581	HOST Mouse	REACTIVITY Mouse, Dog, Rat, Human, Monkey	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

FMR1 / FMRP; Monoclonal Antibody; Anti-FMR1 / FMRP Antibody (clone 1D10) IHC-plus; Mouse Monoclonal [clone 1D10] (IgG2b) to Human FMR1 / FMRP; Human FMR1 / FMRP; POF; Protein FMR-1; Premature ovarian failure 1; Fragile X mental retardation 1; FRAXA; POF1; anti-FMR1 / FMRP antibody

PRODUCT SPECIFICATIONS

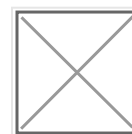
Host	Mouse
Reactivity	Mouse, Dog, Rat, Human, Monkey
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	1D10
Specificity	Human FMR1 / FMRP
Purity/Purification	Protein A/G purified
Form/Format	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	632
Applicable Applications for anti-FMR1 / FMRP antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	FMR1 / FMRP antibody was raised against human recombinant protein fragment corresponding to amino acids 36-279 of human FMR1(NP_002015) produced in E Coli.
Immunogen Description	Human recombinant protein fragment corresponding to amino acids 36-279 of human FMR1(NP_002015) produced in E Coli.
Immunogen Type	Recombinant protein
Target Species	Human
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)

Western blot of extracts (35 ug) from 9 different cell lines by using anti-FMR1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



WB (Western Blot)

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FMR1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FMR1.



IHC (Immunohistochemistry)

Anti-FMR1 / FMRP antibody IHC staining of human lung. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-FMR1 / FMRP antibody

FMR1 Antibody, FMRP Antibody, POF Antibody, Protein FMR-1 Antibody, Premature ovarian failure 1 Antibody, Fragile X mental retardation 1 Antibody, FRAXA Antibody, POF1 Antibody Description: Translation repressor. Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit mediates translation repression (By similarity). RNA-binding protein that plays a role in intracellular RNA transport and in the regulation of translation of target mRNAs. Associated with polysomes. May play a role in the transport of mRNA from the nucleus to the cytoplasm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503765
NCBI GeneID	2332
NCBI Accession #	NP_002015.1
NCBI GenBank Nucleotide #	NM_002024.5
UniProt Accession #	Q06787 ; Q16578 ; Q5PQZ6 ; Q99054 ; A6NNH4 ; D3DWT0 ; D3DWT1 ; D3DWT2 ; G8JL90
Molecular Weight	68,966 Da
NCBI Official Full Name	fragile X mental retardation protein 1 isoform ISO1
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	fragile X mental retardation protein 1
UniProt Protein Name	Fragile X mental retardation protein 1
UniProt Gene Name	FMR1
UniProt Synonym Gene Names	FMRP; Protein FMR-1
UniProt Entry Name	FMR1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fmr1-fmrp-antibody-clone-1d10-western-blot-immunohistochemistry-elisa/52581>