

Rabbit FMR1 Polyclonal Antibody | anti-FMR1 antibody

FMR1 Antibody

CATALOG # AAA40748	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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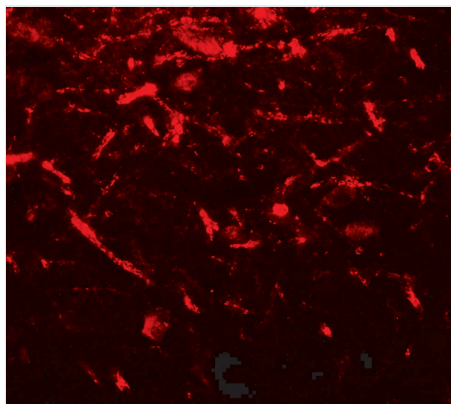
PRODUCT SYNONYMS

FMR1; Polyclonal Antibody; FMR1 Antibody; Fragile X mental retardation protein 1; FMRP; fragile X mental retardation 1; anti-FMR1 antibody

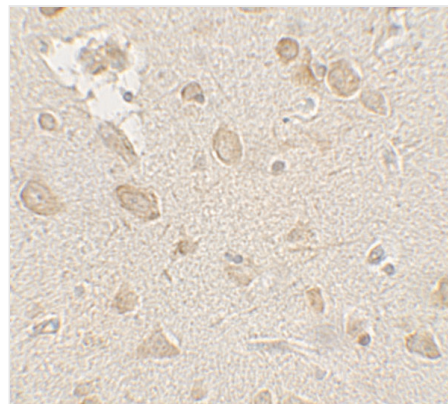
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FMR1 antibody is human, mouse and rat reactive. Multiple isoforms of FMR1 are known to exist.
Purity/Purification	FMR1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	632
Applicable Applications for anti-FMR1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	FMR1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human FMR1.
Buffer	FMR1 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	FMR1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

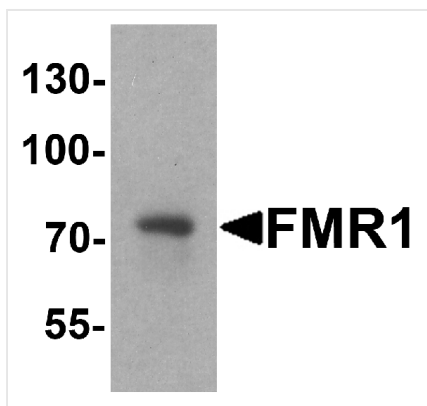
IMAGES


IF (Immunofluorescence)

Immunofluorescence of FMR1 in human brain tissue with FMR1 antibody at 20 µg/mL.


IHC (Immunohistochemistry)

Immunohistochemistry of FMR1 in human brain tissue with FMR1 antibody at 2.5 µg/mL.



WB (Western Blot)

Western blot analysis of FMR1 in rat brain tissue lysate with FMR1 antibody at 1 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-FMR1 antibody

Fragile X syndrome is a frequent form of inherited mental retardation caused by functional loss of the fragile X mental retardation protein, FMR1, also known as FMRP (1). FMR1 binds RNA and is associated with polysomes. The encoded protein may be involved in mRNA trafficking from the nucleus to the cytoplasm (2). 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 (1). Expansion of the trinucleotide repeat may also cause one form of premature ovarian failure (POF1) (3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503765
NCBI GeneID	2332
NCBI Accession #	NP_002015
NCBI GenBank Nucleotide #	NM_002024.5
UniProt Accession #	Q06787; Q16578; Q5PQZ6; Q99054; A6NNH4; D3DWT0; D3DWT1; D3DWT2; G8JL90
Molecular Weight	Predicted: 70 kDa Observed: 74 kDa
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/polyclonal/fmr1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40748>