Rabbit anti-Human, Mouse FMR1/FMRP Polyclonal Antibody | anti-FMR1/FMRP antibody

Rabbit anti-FMR1/FMRP Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213144	**Rabbit**	**Human, Mouse**	**Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

FMR1/FMRP; Polyclonal Antibody; Rabbit anti-FMR1/FMRP Antibody; Affinity Purified; FMRP; fragile X mental retardation protein 1; FRAXA; POF; POF1; Protein FMR-1; synaptic functional regulator FMR1; Fragile X mental retardation protein 1; fragile X mental retardation 1; anti-FMR1/FMRP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-FMR1/FMRP antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat
Immunogen	Between 582 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES

WB (Western Blot)
Detection of human and mouse FMR1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-FMR1 antibody AAA213144 (lot AAA213144-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

IP (Immunoprecipitation)
Detection of human FMR1 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-FMR1 antibody AAA213144 (lot AAA213144-1) used for IP at 6 ug per reaction. FMR1 was also immunoprecipitated by rabbit anti-FMR1 antibody For blotting immunoprecipitated FMR1, AAA213144 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-FMR1/FMRP antibody	Fragile X mental retardation protein 1 is the product of the gene FMR1, also known as FMRP. This protein binds RNA and is associated with polysomes. FMRP may also 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).

Product Categories/Family for anti-FMR1/FMRP antibody	Primary Antibodies

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
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-fmrp-antibody-immunoprecipitation-western-blot-elisa/213144