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Product datasheet for TA326712

FMRP (FMR1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	FMR1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human FMR1.
Formulation:	FMR1 antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	FMR1 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 70 kDa; Observed: 74 kDa
Gene Name:	fragile X mental retardation 1
Database Link:	NP_002015 Entrez Gene 14265 MouseEntrez Gene 24948 RatEntrez Gene 2332 Human Q06787
Background:	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).
Synonyms:	FMRP; FRAXA; POF; POF1; POFX

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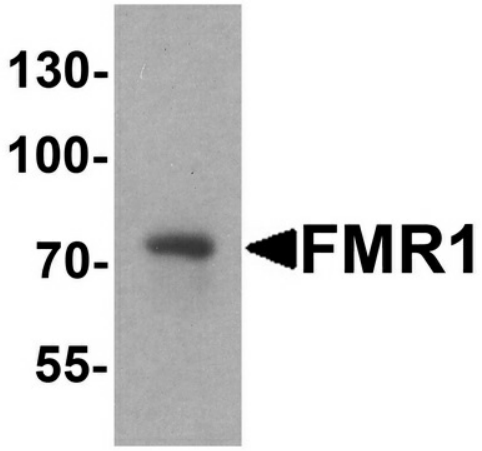
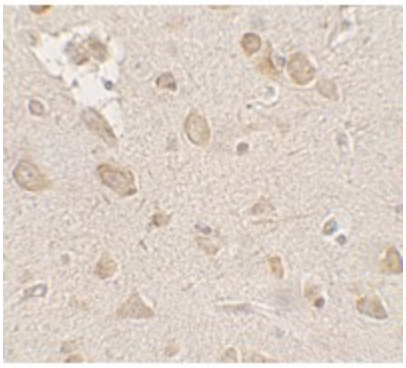
Protein Families: Druggable Genome

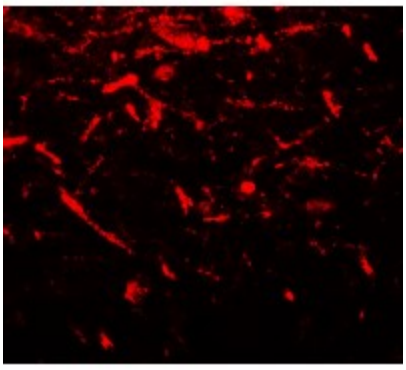
Product images:



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



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



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