

FMR1 polyclonal antibody

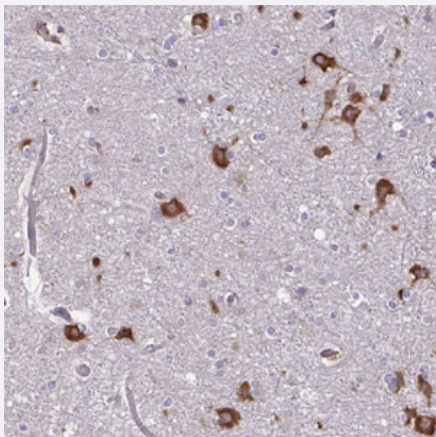
Catalog # PAB29497 Size 100 uL

Applications



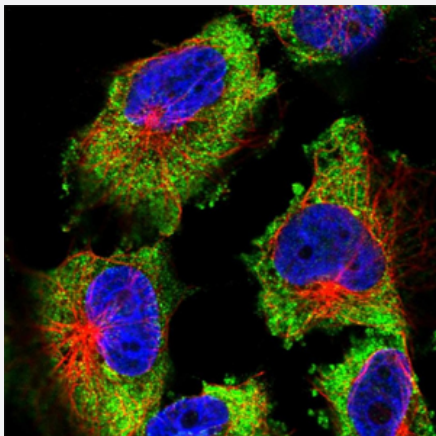
Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of Lane 1: RT-4 cell lysate, Lane 2: U-251 MG cell lysate with FMR1 polyclonal antibody (Cat# PAB29497) at 1:250 - 1:500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with FMR1 polyclonal antibody (Cat# PAB29497) shows strong cytoplasmic positivity in neuronal cells at 1:200 - 1:500 dilution.



Immunofluorescence

Immunofluorescent staining of U-251 MG cells with FMR1 polyclonal antibody (Cat# PAB29497) under 1-4 ug/mL working concentration shows positivity in cytoplasm. Antibody staining is shown in green.

Specification

Product Description	FMR1 polyclonal antibody raised against recombinant human FMR1.
Immunogen	Recombinant protein corresponding to amino acids of human FMR1.
Sequence	FKGNDDHSRTDNRPRNPREAKGRTTDGSLQIRVDCNNERSVHTKTLQNTSSEGSRLRTGKDRNQ KKEKPDSVDGQQPLVNGVP
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (1:200-1:500) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — FMR1

Entrez GeneID	2332
Protein Accession#	Q06787
Gene Name	FMR1
Gene Alias	FMRP, FRAXA, MGC87458, POF, POF1
Gene Description	fragile X mental retardation 1
Omim ID	300623 300624 309550
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene binds RNA and is associated with polysomes. The encoded 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). [provided by RefSeq]
Other Designations	OTTHUMP00000024197 premature ovarian failure 1

Disease

- [Ataxia](#)
- [Ataxia telangiectasia](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Cerebellar Ataxia](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Disease Progression](#)

- [Essential tremor](#)
- [Fetal Diseases](#)
- [Fragile X syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Hallucinations](#)
- [Huntington disease](#)
- [Infertility](#)
- [Inhibition \(Psychology\)](#)
- [Intelligence Tests](#)
- [Memory](#)
- [Menopause](#)
- [Mental Disorders](#)
- [Mental Processes](#)
- [Mental Retardation](#)
- [Mental Status Schedule](#)
- [Multiple System Atrophy](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Olivopontocerebellar Atrophies](#)
- [Osteoporosis](#)
- [Ovarian Diseases](#)
- [Ovarian Failure](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Polycystic Ovary Syndrome](#)

- [Primary Ovarian Insufficiency](#)
- [Psychotic Disorders](#)
- [Puberty](#)
- [Reaction Time](#)
- [Schizophrenia](#)
- [Spinocerebellar ataxia](#)
- [Spinocerebellar Ataxias](#)
- [Spinocerebellar Degenerations](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tremor](#)