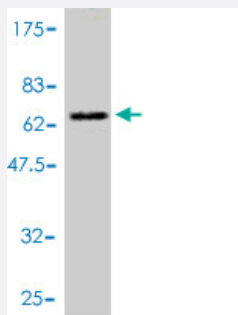


# FMR1 polyclonal antibody (A01)

Catalog # H00002332-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (58.78 KDa) .

## Specification

|                                |                                                                                                                                                                                                                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Mouse polyclonal antibody raised against a full-length recombinant FMR1.                                                                                                                                                                                                                                               |
| <b>Immunogen</b>               | FMR1 (AAH38998.1, 1 a.a. ~ 297 a.a) full-length recombinant protein with GST tag.                                                                                                                                                                                                                                      |
| <b>Sequence</b>                | MEELVVEVRGSNGAFYKAFVKDVHEDSITVAFENNWQPDRQIPFHDVRFPPPVGYNKDINESDEV<br>EVYSRANEKEPCCWWLAKVRMIKGEFYVIEYAACDATYNEVTIERLSVNPKNPATKDTFHKIKL<br>DVPEDLRQMCAKEAAHKDFKKAVGAFSVTYDPENYQLVILSINEVTSKRAHMLIDMHFRSLRTKLS<br>LIMRNEEASKQLESSRQLASRFHEQFVREDLMGLAIGTHGANIQQARKVPGVTAIDLDEDTCTFHI<br>YGEDQDAVKKARSFLEFAEDVIQVPRNLVGLKI |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                  |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (58.78 KDa) .                                                                                                                                                                                                               |
| <b>Storage Buffer</b>          | 50 % glycerol                                                                                                                                                                                                                                                                                                          |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                               |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — FMR1

Entrez GeneID [2332](#)

GeneBank Accession# [BC038998](#)

Protein Accession# [AAH38998.1](#)

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

## Publication Reference

- [Contribution of mGluR and Fmr1 functional pathways to neurite morphogenesis, craniofacial development and fragile X syndrome.](#)

Tucker B, Richards RI, Lardelli M.

Human Molecular Genetics 2006 Oct; 15(23):3446.

Application: WB, Zebrafish, Zebrafish embryos

## 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](#)