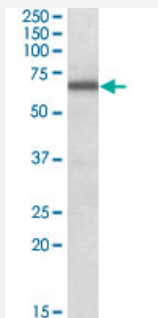


FMR1 polyclonal antibody

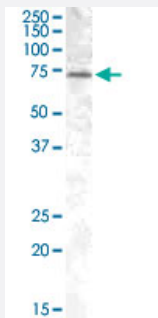
Catalog # PAB14144 Size 100 ug

Applications



Western Blot (Cell lysate)

FMR1 polyclonal antibody (Cat # PAB14144) (0.3 ug/mL) staining of Kelly lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blot (Cell lysate)

FMR1 polyclonal antibody (Cat # PAB14144) (0.3 ug/mL) staining of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of FMR1.
Immunogen	A synthetic peptide corresponding to amino acids 116-130 of human FMR1.
Sequence	C-NPNKPATKDTFHKIK
Host	Goat
Theoretical MW (kDa)	71.2
Reactivity	Human

Specificity	Approx 70 Da band observed in lysates of cell lines HeLa and Jurkat (calculated MW of 71.2 KDa according to NP_002015.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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

- Western Blot (Cell lysate)

FMR1 polyclonal antibody (Cat # PAB14144) (0.3 ug/mL) staining of Kelly lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Western Blot (Cell lysate)

FMR1 polyclonal antibody (Cat # PAB14144) (0.3 ug/mL) staining of HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FMR1

Entrez GeneID	2332
Protein Accession#	NP_002015.1
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

- [Correction of fragile X syndrome in mice.](#)

Dolen G, Osterweil E, Rao BS, Smith GB, Auerbach BD, Chattarji S, Bear MF.

Neuron 2007 Dec; 56(6):955.

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](#)