

Datasheet for ABIN6140719  
**anti-FMR1 antibody (AA 500-600)**



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4 Images

Overview

Quantity:	100 µL
Target:	FMR1
Binding Specificity:	AA 500-600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FMR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 500-600 of human FMRP (NP_002015.1).
Sequence:	SETESDHRDE LSDWSLAPTE EERESFLRRG DGRRRGGGGR GQGGRGRGGG FKGNDHSRT DNRPRNPREA KGRTTDGSLQ IRVDCNNERS VHTKTLQNTS S
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	FMR1
Alternative Name:	FMR1 ( <a href="#">FMR1 Products</a> )
Background:	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). Multiple alternatively spliced transcript variants that encode different protein isoforms and which are located in different cellular locations have been described for this gene.,FMRP,FRAXA,POF,POF1,FMR1,POFX,Epigenetics & Nuclear Signaling,RNA Binding,Neuroscience,Cell Type Marker,Neurodegenerative Diseases,Neuron marker,Dendrite marker,Synapse marker,FMR1
Molecular Weight:	58 kDa/61 kDa/66 kDa/68 kDa/69 kDa/70 kDa/71 kDa
Gene ID:	2332
UniProt:	<a href="#">Q06787</a>
Pathways:	<a href="#">Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development</a>

## Application Details

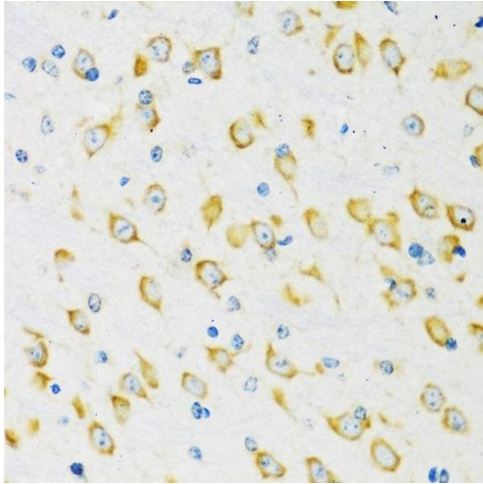
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Application Notes:	WB,1:500 - 1:1000,IHC,1:50 - 1:200,IF,1:100 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

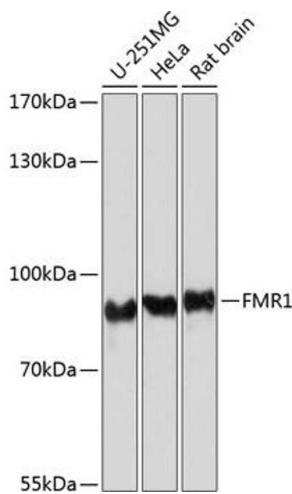
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



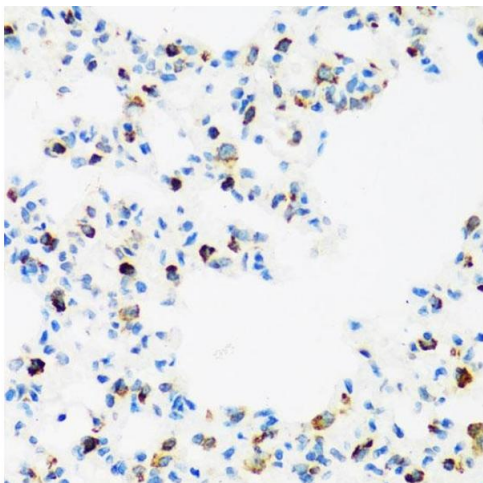
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse brain using FMRP antibody (ABIN6133703, ABIN6140719, ABIN6140721 and ABIN6221705) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using FMRP antibody (ABIN6133703, ABIN6140719, ABIN6140721 and ABIN6221705) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded rat lung using FMRP antibody (ABIN6133703, ABIN6140719, ABIN6140721 and ABIN6221705) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6140719.