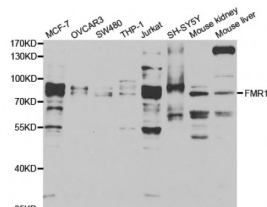


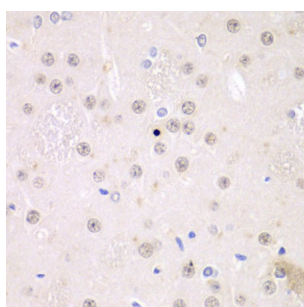
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Fragile X Mental Retardation 1 (FMR1) Antibody

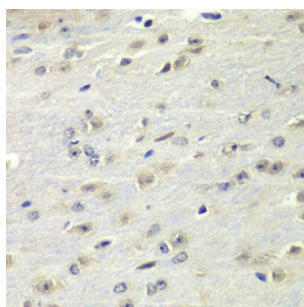
Catalogue No.: abx004316



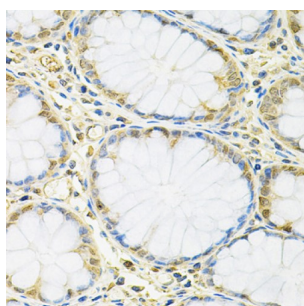
Western blot analysis of extracts of various cell lines, using FMR1 antibody (abx004316) at 1/1000 dilution.



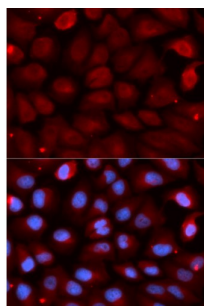
Immunohistochemistry of paraffin-embedded rat brain using FMR1 Antibody (abx004316) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using FMR1 Antibody (abx004316) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using FMR1 Antibody (abx004316) at dilution of 1/100 (40x lens).



Immunofluorescence analysis of U2OS cells using FMR1 antibody (abx004316). Blue: DAPI for nuclear staining.

FMR1 Antibody is a Rabbit Polyclonal antibody against FMR1. The protein encoded by this gene binds RNA and is associated

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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.

Target: FMR1

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Tested Applications: WB, IHC, IF/ICC

Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Recombinant protein of human FMR1.

Purification: Affinity purified.

Form: Liquid

Isotype: IgG

Conjugation: Unconjugated

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight: Calculated MW: 58 kDa/61 kDa/66 kDa/68 kDa/69 kDa/70 kDa/71 kDa
Observed MW: 85 kDa

Swiss Prot: [Q06787](#)

GeneID: [2332](#)

Gene Symbol: FMR1

Concentration: > 1 mg/ml

Buffer: PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

Note: This product is for research use only.