

## FMR1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:** 71kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic Peptide of human FMR1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

POF; FMRP; POF1; FRAXA;

**Catalog #:** A5645

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 2332

**Isotype:** IgG

**Swiss Prot:** Q06787

**Purity:** Affinity purification

For research use only.

**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.

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