

FMR1 Ab

[Images\(1\)](#)

Cat.#: BF0479 Concn.: ~1mg/ml Mol.Wt.: 71kDa
Size: Source: Mouse Clonality: Monoclonal

Application: ELISA 1:10000, WB 1:500-1:2000, IHC 1:200-1:1000, IF/ICC
1:200-1:1000

*The optimal dilutions should be determined by the end user.

Reactivity: Human

Storage: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH
7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C.
Stable for 12 months from date of receipt.

Purification: Affinity-chromatography.

Immunogen: Purified recombinant fragment of human FMR1 expressed in E. Coli.

Uniprot: Q06787

Description: FMR1, also known as POF, FMRP, FRAXA. Entrez Protein: NP_002015. It is an RNA-binding protein that associates with polyribosomes and is a likely component of a messenger ribonuclear protein (mRNP) particle The 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). RNA-binding protein that plays a role in intracellular RNA transport and in the regulation of translation of target mRNAs.

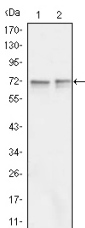


Figure 1: Western blot analysis using FMR1 mouse mAb against Jurkat (1) and K562 (2) cell lysate.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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