

Datasheet for ABIN969148

**anti-FMR1 antibody**

3 Images

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## Overview

Quantity:	100 µL
Target:	FMR1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FMR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human FMR1 expressed in E. coli.
Clone:	4G9
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	FMR1
Alternative Name:	FMR1 ( <a href="#">FMR1 Products</a> )
Background:	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

## Target Details

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.

Aliases: POF, FMRP, POF1, FRAXA

Molecular Weight: 71 kDa

Gene ID: 2332

HGNC: 2332

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

## Application Details

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

Restrictions: For Research Use only

## Handling

Format: Liquid

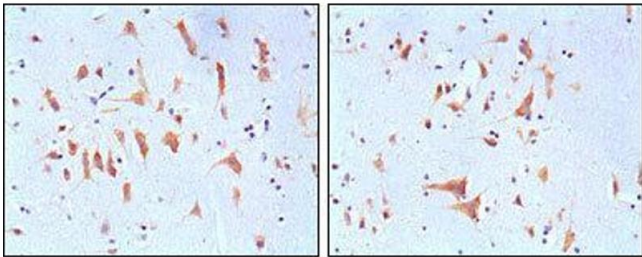
Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

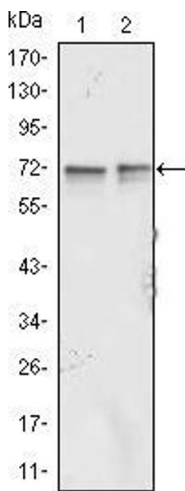
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



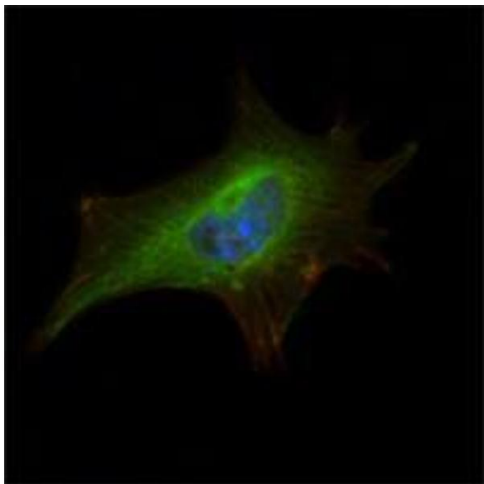
Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded human brain tissues, showing cytoplasmic localization with DAB staining using FMR1 mouse mAb.



Western Blotting

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



Immunofluorescence

**Image 3.** Immunofluorescence analysis of NIH/3T3 cells using FMR1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.