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Datasheet for ABIN560937

## anti-FMR1 antibody (AA 121-220)

### 5 Images

#### Overview

Quantity:	100 µg
Target:	FMR1
Binding Specificity:	AA 121-220
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FMR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, RNA Interference (RNAi)

#### Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant FMR1.
Immunogen:	FMR1 (NP_002015, 121 a.a. ~ 220 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	ATKDTFHKIK LDVPEDLRQM CAKEAAHKDF KKAVGAFSVT YDPENYQLVI LSINEVTSKR AHMLIDMHFR SLRTKLSLIM RNEEASKQLE SSRQLASRFH
Clone:	2D4
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

Target: FMR1

Alternative Name: FMR1 ([FMR1 Products](#))

Background: Full Gene Name: fragile X mental retardation 1  
Synonyms: FMRP,FRAXA,MGC87458,POF,POF1

Gene ID: 2332

NCBI Accession: [NM\\_002024](#)

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

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

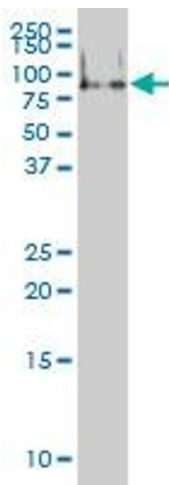
Buffer: In 1x PBS, pH 7.4

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -20 °C

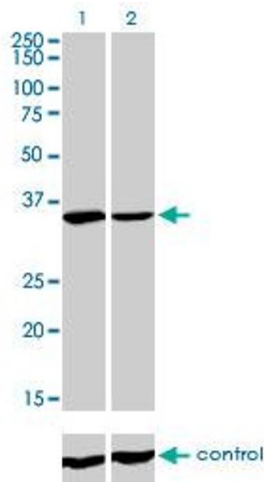
Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Images



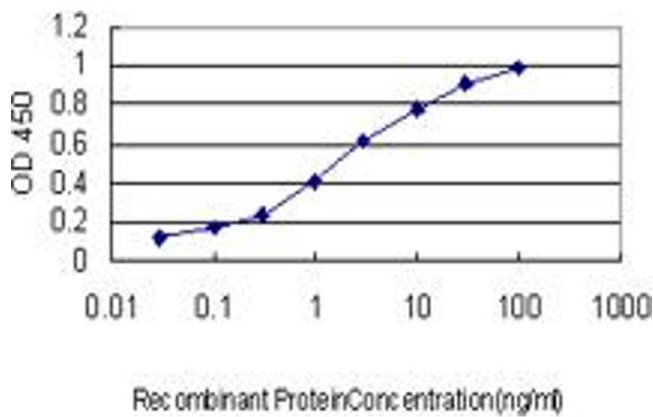
### Western Blotting

**Image 1.** FMR1 monoclonal antibody (M01), clone 2D4  
Western Blot analysis of FMR1 expression in HepG2 .



### Western Blotting

**Image 2.** Western blot analysis of FMR1 over-expressed 293 cell line, cotransfected with FMR1 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with FMR1 monoclonal antibody (M01), clone 2D4. GAPDH ( 36.1 kDa ) used as specificity and loading control.



### ELISA

**Image 3.** Detection limit for recombinant GST tagged FMR1 is approximately 0.1 ng/ml as a capture antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN560937.