

Product Datasheet

FMRP Antibody (2D4) - Azide and BSA Free H00002332-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00002332-M01

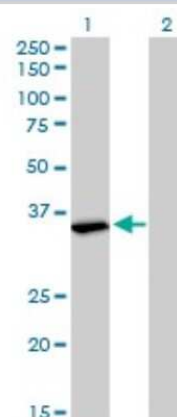
FMRP Antibody (2D4) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2D4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2332
Gene Symbol	FMR1
Species	Human
Specificity/Sensitivity	FMR1 - fragile X mental retardation 1
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. ATKDTFHKIKLDVPEDLRQMCAKEAAHKDFKKAVGAFSVTYDPENYQLVILSINE VTSKRAHMLIDMHFRSLRTKLSLIMRNEEASKQLESSRQLASRFH
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA 1:100-1:2000, Knockdown Validated
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has been used for RNAi Validation and ELISA.

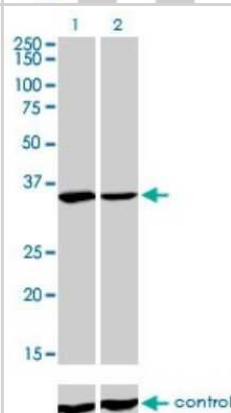


Images

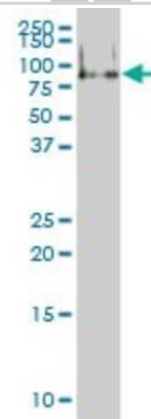
Western Blot: FMRP Antibody (2D4) [H00002332-M01] - Analysis of FMR1 expression in transfected 293T cell line by FMR1 monoclonal antibody (M01), clone 2D4. Lane 1: FMR1 transfected lysate(34.1 KDa). Lane 2: Non-transfected lysate.



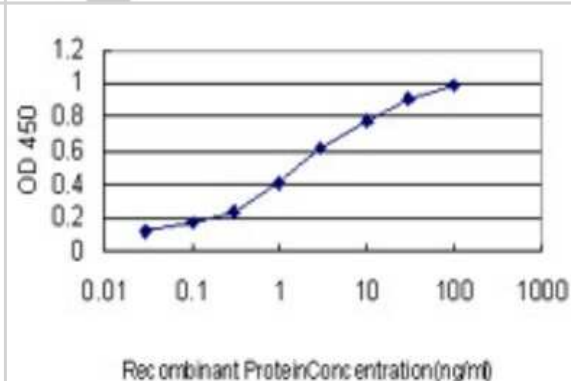
Western Blot: FMRP Antibody (2D4) [H00002332-M01] - Analysis of FMR1 over-expressed 293 cell line, cotransfected with FMR1 Validated Chimera RNAi (Cat # H00002332-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with FMR1 monoclonal antibody (M01), clone 2D4 (Cat # H00002332-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot: FMRP Antibody (2D4) [H00002332-M01] - FMR1 monoclonal antibody (M01), clone 2D4 Analysis of FMR1 expression in HepG2.



Sandwich ELISA: FMRP Antibody (2D4) [H00002332-M01] - Detection limit for recombinant GST tagged FMR1 is approximately 0.1ng/ml as a capture antibody.



Publications

Fu X, Yan A, Xu Y et al. Splicing of exon 9a in FMR1 transcripts results in a truncated FMRP with altered subcellular distribution. Gene. 2020-01-11 [PMID: 31935509]



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Products Related to H00002332-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00002332-P01-10ug	Recombinant Human FMRP GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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