e at -20C	FMRP (D14F4) Rabbit mAb	C T			
Store (Orders:	877-616-CELL (2355) orders@cellsignal.com		
)4		Support:	877-678-TECH (8324)		
7104		Web:	info@cellsignal.com cellsignal.com		
#	:	3 Trask Lane Danvers N	Assachusetts 01923 USA		

For Research Use Only	Not for Use in Diagnostic Procedures.	
	Prior ion of the blag house in the output	

Applications: WB, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit IgG	UniProt ID: #Q06787	Entrez-Gene Id: 2332	
Product Usage	Apt	olication				Dilution	
Information	We	stern Blotting				1:1000	
	Imn	nunofluorescence (Immunocytochem	nistry)		1:200	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensit	tivity FMR	P (D14F4) Rabbit ı	mAb recognizes e	endogenous levels of to	tal FMRP protein.		
Source / Purification	-	oclonal antibody is lues surrounding G		unizing animals with a MRP protein.	synthetic peptide corr	responding to	
Background	CGG FMR role anot RNA with sugg path	E trinucleotide repea P (also known as F in the pathogenesis her as well as form i effector complexe Argonaute 2 (Ago2 jest that fragile X sy	at in the gene tha FMR1) and its two s of fragile X syno homodimers (3). s (RISC), sugges) and Dicer and c yndrome is relate n, FMRP, FXR1,	inherited mental retarda t encodes the fragile X o autosomal homologs (lrome (1-3). Each of the FMRP can act as a trai sting a role in gene silen oimmunoprecipitates w d to abnormal translatio and FXR2 are compone of mRNAs (6).	mental retardation pro FXR1 and FXR2) all se related proteins ca nslation regulator and cing (4). In <i>Drosophi</i> ith miRNA and siRNA n caused by a defect	otein (FMRP) (1). bind RNA and play a an associate with one l is a component of la, dFMRP associates A. These results in RNAi-related	
Background Refer	2. Si 3. Zh 4. Ca 5. Si	 Verkerk, A.J. et al. (1991) <i>Cell</i> 65, 905-14. Siomi, M.C. et al. (1995) <i>EMBO J</i> 14, 2401-8. Zhang, Y. et al. (1995) <i>EMBO J</i> 14, 5358-66. Caudy, A.A. et al. (2002) <i>Genes Dev</i> 16, 2491-6. Siomi, H. et al. (2004) <i>Ment Retard Dev Disabil Res Rev</i> 10, 68-74. Linder, B. et al. (2008) <i>Hum Mol Genet</i> 17, 3236-46. 					
Species Reactivity	Speci	es reactivity is dete	ermined by testing	in at least one approve	ed application (e.g., w	vestern blot).	
Western Blot Buffe		RTANT: For wester Tween® 20 at 4°C	5% w/v BSA, 1X TBS,				
Applications Key	WB:	Western Blotting IF	-IC: Immunofluo	rescence (Immunocytoc	hemistry)		
Cross-Reactivity k	X: Xe	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 					
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FMRP (D14F4) Rabbit mAb (#7104) Datasheet Without Images Cell Signaling Technology

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