

## FXR1 (D10A2) XP® Rabbit mAb



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## For Research Use Only. Not for Use in Diagnostic Procedures.

<b>Applications:</b> W, IF-IC	Reactivity: H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 78-80, 82-84	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P51114	Entrez-Gene Id: 8087	
Product Usage Information		<b>Application</b> Western Blotting Immunofluorescence	e (Immunocytochem	istry)		<b>Dilution</b> 1:1000 1:50	
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/Sensitivity		FXR1 (D10A2) XP <sup>®</sup> Rabbit mAb recognizes endogenous levels of total FXR1 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly574 of human FXR1 protein.					
Background		features and is a freq autosomal homologs involved in the patho associate, as well as f translation regulator silencing (4). The <i>Dro</i> and can coimmunopr is related to abnorma	uent form of inherit, FXR1 and FXR2, are genesis of fragile X orm heteromers with and is a component sophila homolog of recipitate with miRN all translation caused nents of stress grant	genetic disorder characterized by a spectrum of physical and behavioral at form of inherited mental retardation (1). X-linked FMRP (FMR-1) and its two IR1 and FXR2, are polyribosome-associated RNA-binding proteins that are less of fragile X syndrome (1-3). Each of the fragile X proteins can self-inheteromers with the other two related proteins (3). FMRP can act as a dis a component of RNAi effector complexes (RISC), suggesting a role in gene whila homolog of FMRP (dFMRP) associates with Argonaute 2 (Ago2) and Dicer poitate with miRNA and siRNA (5). These results suggest that fragile X syndrome anslation caused by defects in RNAi-related pathways. In addition, FMRP, FXR1, its of stress granules (SG) and have been implicated in the translational			
Background Refe	1. Verkerk, A.J. et al. (1991) <i>Cell</i> 65, 905-14. 2. Siomi, M.C. et al. (1995) <i>EMBO J</i> 14, 2401-8. 3. Zhang, Y. et al. (1995) <i>EMBO J</i> 14, 5358-66. 4. Caudy, A.A. et al. (2002) <i>Genes Dev</i> 16, 2491-6. 5. Siomi, H. et al. (2004) <i>Ment Retard Dev Disabil Res Rev</i> 10, 68-74. 6. Linder, B. et al. (2008) <i>Hum Mol Genet</i> 17, 3236-46.						
Species Reactivity	·	Species reactivity is d	etermined by testin	n in at least one approve	ad application (o.g.	wostorn blot)	

**Species Reactivity** Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer** IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X

TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key** W: Western Blotting **IF-IC**: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey

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