

MBD3 Antibody



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

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 28, 32, 34	Source/Isotype: Rabbit	UniProt ID: #O95983	Entrez-Gene Id: 53615
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		MBD3 Antibody detects endogenous levels of all three isoforms of the MBD3 protein (MBD3A, MBD3B, MBD3C). This antibody does not cross react with MBD2.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the human MBD3 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		domain (MBD) protein from MBD3, these pro 3' to establish and ma repressor proteins (2), methyltransferase DN interacts with the hist part of the NuRD (nuc contains the chromati recently been identific associated with cance MBD2 has been linked developmental disord critical role in multiple phosphorylated on Se	as that also includes of the steins bind methyla intain regions of tromble MeCP2 recruits his MT1 (4-6). MBD1 coone methyltransfer leosome remodeling ATPa ed and little is known and other diseased to intestinal canceler Rett Syndrome (expanding processed to intestinal canceler Rett Syndrome (expanding pro	the founding member of MBD1, MBD2, MBD3, MBD4 is best character (11,12). Mutations in the expression of generating process in individuations.	MBD4, MBD5, and M the context of the chromatin by recruit 1 and HDAC2, and encing to DNA repli (7,8). MBD2 and M ation) co-repressor AC2 (9,10). MBD5 an interactions. MBD erized for its role in the MeCP2 gene caus are high in neurorious physiological secontrolling dendri	BD6 (1-3). Apart li-nucleotide 5'-CG- cing a variety of co- the DNA cation and BD3 co-purify as complex, which and MBD6 have proteins are DNA repair and se the neurologic as, where it plays a stimuli, MeCP2 is tic patterning and
Background References		1. Clouaire, T. and Stancheva, I. (2008) <i>Cell Mol Life Sci</i> 65, 1509-22. 2. Hendrich, B. and Bird, A. (1998) <i>Mol Cell Biol</i> 18, 6538-47. 3. Roloff, T.C. et al. (2003) <i>BMC Genomics</i> 4, 1. 4. Nan, X. et al. (1998) <i>Nature</i> 393, 386-9. 5. Jones, P.L. et al. (1998) <i>Nat Genet</i> 19, 187-91. 6. Fuks, F. et al. (2003) <i>J Biol Chem</i> 278, 4035-40. 7. Sarraf, S.A. and Stancheva, I. (2004) <i>Mol Cell</i> 15, 595-605. 8. Fujita, N. et al. (2003) <i>J Biol Chem</i> 278, 24132-8. 9. Zhang, Y. et al. (1999) <i>Genes Dev</i> 13, 1924-35. 10. Wade, P.A. et al. (1999) <i>Nat Genet</i> 23, 62-6. 11. Hendrich, B. et al. (1999) <i>Nature</i> 401, 301-4. 12. Sansom, O.J. et al. (2003) <i>Nat Genet</i> 34, 145-7. 13. Miltenberger-Miltenyi, G. and Laccone, F. (2003) <i>Hum Mutat</i> 22, 107-15. 14. Zhou, Z. et al. (2006) <i>Neuron</i> 52, 255-69.				

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

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

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