

Product datasheet for TA347240

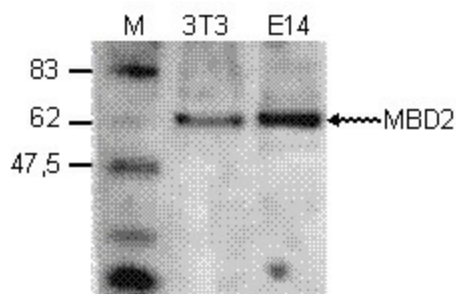
MBD2 Rabbit Polyclonal Antibody

Product data:

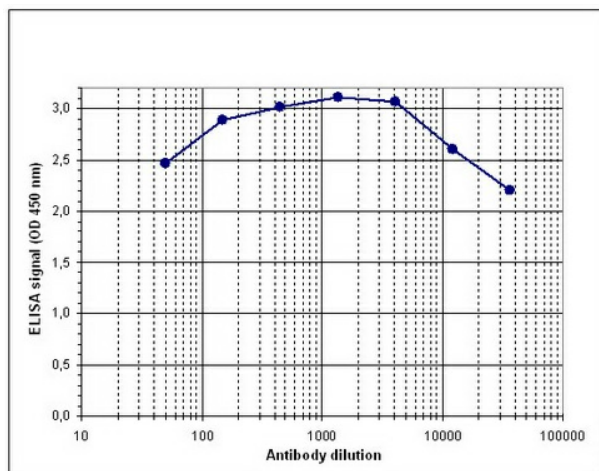
Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA (1:1,000 ?? 1:4,000) ; Western blotting (1:500)
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-MBD2 antibody: mouse MBD2 (methyl-CpG binding domain protein 2), using a KLH-conjugated synthetic peptide containing an amino acid sequence from the central part of the protein
Concentration:	lot specific
Purification:	Whole antiserum from rabbit containing 0.05% azide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	methyl-CpG binding domain protein 2
Database Link:	NP_003918 Entrez Gene 17191 Mouse Q9UBB5
Background:	MBD2 (UniProtKB/Swiss-Prot entry Q9UBB5) belongs to the family of methylated DNA binding proteins. The protein acts as a transcriptional repressor that specifically binds to methylated CpG dinucleotides in promoter sequences. It is part of the MeCP1 complex that also contains the histone deacetylases HDAC1 and HDAC2. On the other hand, MBD2 may be able to demethylate DNA, thus acting as a transcriptional activator. Possibly, MBD2 mediates the effects of DNA methylation in vivo.
Synonyms:	DMTase; NY-CO-41
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors


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Product images:



WB was performed on nuclear extracts from mouse fibroblastst (NIH3T3) and embryonic stem cells (E14Tg2a) with the antibody against mouse MBD2, diluted 1:500 in BSA/PBS-Tween. The molecular weight marker (M, in kDa) is shown on the left; the location of the protein of interest is indicated on the right.



Determination of the titer To determine the titer, an ELISA was performed using a serial dilution of the antibody against mouse MBD2. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:185,000.