

## Product datasheet for **TA347240**

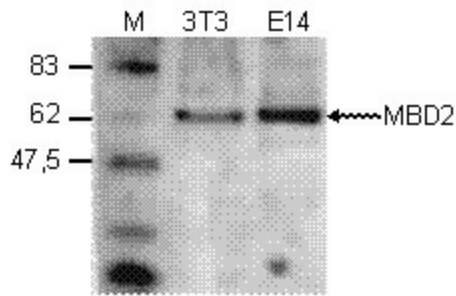
### **MBD2 Rabbit Polyclonal Antibody**

#### **Product data:**

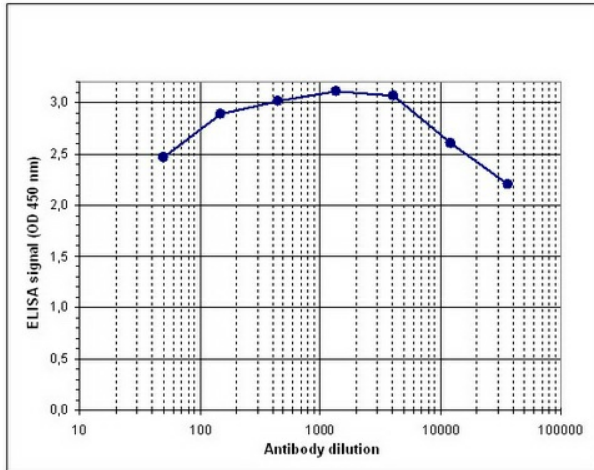
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	ELISA (1:1,000 ?? 1:4,000) ; Western blotting (1:500)
<b>Reactivity:</b>	Mouse
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	The immunogen for anti-MBD2 antibody: 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
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Whole antiserum from rabbit containing 0.05% azide.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	methyl-CpG binding domain protein 2
<b>Database Link:</b>	<a href="#">NP_003918</a> <a href="#">Entrez Gene 17191 Mouse</a> <a href="#">Q9UBB5</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	DMTase; NY-CO-41
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency, Transcription Factors



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**Product images:**


WB was performed on nuclear extracts from mouse fibroblast (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.