

Product datasheet for **TA347242**

MBD4 Rabbit Polyclonal Antibody

Product data:

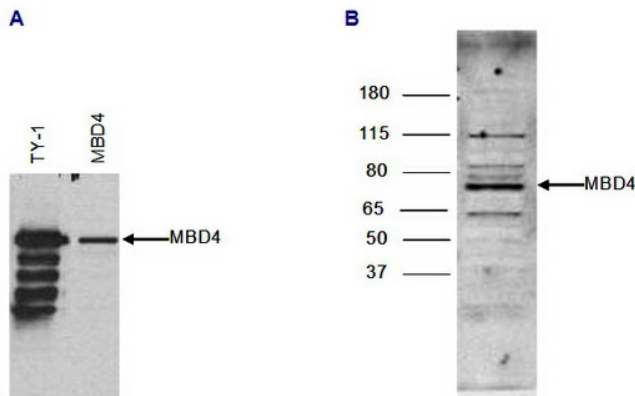
Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA (1:100 ?? 1:1,000); Western blotting (1:2,000)
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-MBD4 antibody: human MBD4 (Methyl-CpG-binding domain protein 4), using three different KLH-conjugated synthetic peptides.
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 4, DNA glycosylase
Database Link:	NP_003916 Entrez Gene 8930 Human O95243
Background:	MBD4 (UniProt/Swiss-Prot entry O95243) belongs to the family of methyl CpG binding proteins that specifically bind to methylated CpG dinucleotides. MBD4 probably functions to mediate the biological consequences of CpG methylation. Further, MBD4 has thymine glycosylase activity and is involved in DNA repair. Mutations of MBD4 are associated with tumors with primary microsatellite-instability, a type of genomic instability that is caused by a defective DNA mismatch repair.
Synonyms:	MED1
Protein Families:	Druggable Genome
Protein Pathways:	Base excision repair



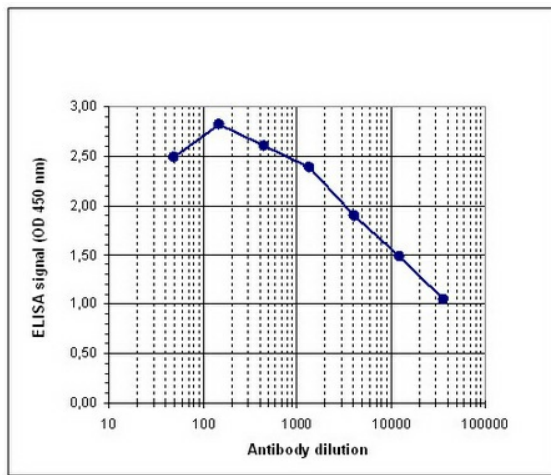
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Product images:

Figure 2



WB analysis with the antibody against the TY1-tag (lane 1) and with the antibody against MBD4 (lane 2), diluted 1:2,000 in TBST containing 3% milk powder. Figure 2B: WB was performed on nuclear extracts from the U937 human leukemic monocyte lymphoma cell line (40 ug) with the antibody against MBD4, diluted 1:2,000 in TBST containing 3% milk powder. A molecular weight marker (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 human MBD4 in antigen coated wells. The wells were coated with the peptides used for immunisation of the rabbit. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:15,000.