

Product datasheet for TA303172

MBD2 Goat Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

WB **Applications:**

Recommended Dilution: ELISA: 1:64,000. WB: 0.3-1µg/ml.

Human (Expected from sequence similarity: Mouse, Rat, Dog) Reactivity:

Host: Goat Isotype: lgG

Clonality: Polyclonal

Immunogen: Peptide with sequence C-RNDPLNQNKGKPDLN, from the internal region of the protein

sequence according to NP 003918.1.

Formulation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

Concentration: lot specific

Purification: Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

> chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize

freezing and thawing.

Conjugation: Unconjugated

Store at -20°C as received. Storage:

Stability: Stable for 12 months from date of receipt.

Gene Name: methyl-CpG binding domain protein 2

Database Link: NP 003918

Entrez Gene 17191 MouseEntrez Gene 680172 RatEntrez Gene 483975 DogEntrez Gene 8932

Human Q9UBB5



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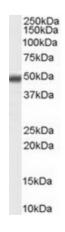
Background:

DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 comprise a family of nuclear proteins related by the presence in each of a methyl-CpG binding domain (MBD). Each of these proteins, with the exception of MBD3, is capable of binding specifically to methylated DNA. MECP2, MBD1 and MBD2 can also repress transcription from methylated gene promoters. The protein encoded by this gene may function as a mediator of the biological consequences of the methylation signal. It is also reported that the this protein functions as a demethylase to activate transcription, as DNA methylation causes gene silencing. [provided by RefSeq]

Synonyms: DMTase; NY-CO-41

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Product images:



TA303172 (0.3ug/ml) staining of Jurkat cell lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.