

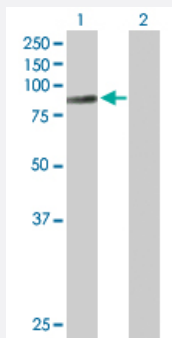
MaxPab®

MBD1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004152-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of MBD1 expression in transfected 293T cell line ([H00004152-T01](#)) by MBD1 MaxPab polyclonal antibody.

Lane 1: MBD1 transfected lysate(66.60 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human MBD1 protein.

Immunogen

MBD1 (NP_056671.2, 1 a.a. ~ 605 a.a) full-length human protein.

Sequence

MAEDWLDPCALPGWKRREVFRKSGATCGRSDTYQSPTGDRIRSKVELTRYLGPACDLTLFDF
KQGILCYPAKAPVAVASKRKKPSRPAKTRKRQVGPQSGEVRKEAPRDETKADTDAPASF
PAPGCCENCISFSGDGTQRQLKTLCKDCRAQRIAFNREQRMFKRVGCGECAACQVTEDCGA
CSTCLLQLPHDVASGLFCKCERRRCLRVERS RGCVCVCRGCQTQEDCGHCPICLRPPRPLRRQ
WKCVRRLRGLRGKHARRKGGCD SKMAARRRPGAQLPPPPPSQSPEPTEPHPRALAPSPPAEF
IYCVDEDELQPYTNRRQNRKCGACAACLRMD CGRCDFCCDKPKFGGSNQKRQKCRWRQCL
QFAMKRLLPSVWSESEDGAGSPPPYRRRKRPSSARRHHLGPTLKPTLATRTAQP DHTQAPTQK
EAGGGFVLPPP GTDLVFLREGASSPVQVPGPVAASTEALLQEAQCSGLSWVVALPQVKQEKAD
TQDEWTPGTAVLTSPVLVPGCP SKAVDPGLPSVKQEPDPPEEDKEENKDD SASKLAPEEEAG
GAGTPVITEIFSLGGTRFRDTAVWLPRSKDLKKPGARKQ

Host

Rabbit

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — MBD1

Entrez GeneID [4152](#)

GeneBank Accession# [NM_015846.2](#)

Protein Accession# [NP_056671.2](#)

Gene Name MBD1

Gene Alias CXXC3, PCM1, RFT

Gene Description methyl-CpG binding domain protein 1

Omim ID [156535](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. Five transcript variants of the MBD1 are generated by alternative splicing resulting in protein isoforms that contain one MBD domain, two to three cysteine-rich (CXXC) domains, and some differences in the COOH terminus. All five transcript variants repress transcription from methylated promoters; in addition, variants with three CXXC domains also repress unmethylated promoter activity. MBD1 and MBD2 map very close to each other on chromosome 18q21. [provided by RefSeq]

Other Designations OTTHUMP00000163504|OTTHUMP00000163506|OTTHUMP00000163507|methyl-CpG binding domain protein 1 isoform PCM1|the regulator of fibroblast growth factor 2 (FGF-2) transcription

Disease

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