

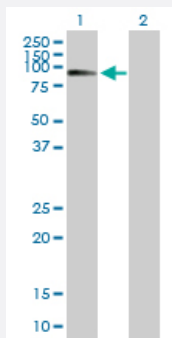
MaxPab®

MBD1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004152-B01P

Size 50 ug

Applications

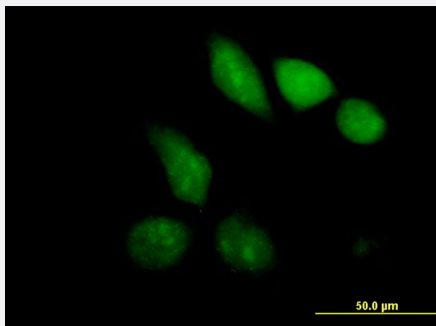


Western Blot (Transfected lysate)

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

Lane 1: MBD1 transfected lysate(66.55 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to MBD1 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse 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	MAEDWLDCPALGPGWKRREVFRKSGATCGRSDTYQSPDGRIRSKVELTRYLGPACDLTLFDF KQGILCYPAPKAHPVAVASKKRKKPSRPAKTRKRQVGPQSSEVRKEAPRDETKADTDAPASF PAPGCCENCISFSGDGTQRQLKTLCKDCRAQRIAFNREQRMFKRVGCGECAACQVTEDCGA CSTCLLQLPHDVASGLFCKCERRRCLRIVERSRGCGVCRGCQTQEDCGHCPICLRPPRPLRRQ WKCVRQRCLRGKHARRKGGCDKMAARRRPGAQPLPPPPPSQSPEPTEPHPRALAPSPPAEF IYCVDEDELQPYTNRRQNRKCGACAACLRMDCGRCDFCCDKPKFGGSNQKRQKCRWRQCL QFAMKRLPSVWSESEDGAGSPPPYRRRKRPSSARRHHLGPTLKPTLATRTAQPDHTQAPTKQ EAGGGFVLPPPGTDLVFLREGASSPVQVPGPVAASTEALLQEAQCSGLSWVVALPQVKQEKAD TQDEWTPGTAVLTSPVLVPGCPSKAVDPGLPSVKQEPDPPEEDKEENKDDASAKLAPEEEAG GAGTPVITEIFSLGGTRFRD TAVWLPRSKDLKKPGARKQ
Host	Mouse
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.

Applications

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to MBD1 on HeLa cell. [antibody concentration 10 ug/ml]

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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