

Rabbit anti-Human MBD1 Polyclonal Antibody | anti-MBD1 antibody

MBD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233800	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

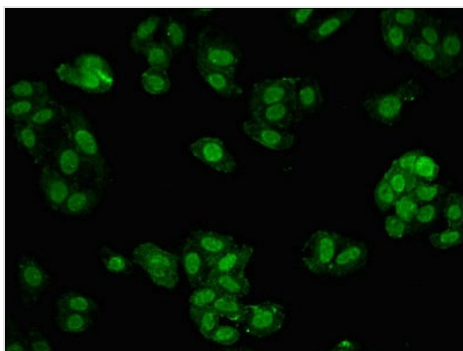
PRODUCT SYNONYMS

MBD1; Polyclonal Antibody; MBD1 Antibody; Methyl-CpG-binding domain protein 1; CXXC-type zinc finger protein 3; Methyl-CpG-binding protein MBD1; Protein containing methyl-CpG-binding domain 1; CXXC3; PCM1; anti-MBD1 antibody

PRODUCT SPECIFICATIONS

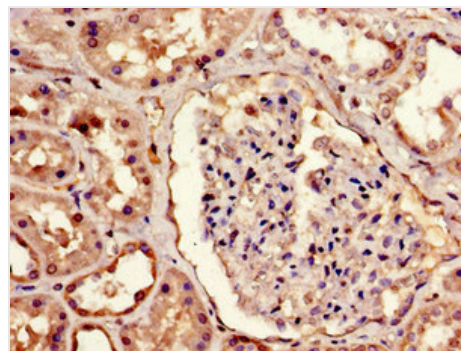
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	655
Applicable Applications for anti-MBD1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Methyl-CpG-binding domain protein 1 protein (106-355AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA233800 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney tissue using AAA233800 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-MBD1 antibody	Transcriptional repressor that binds CpG islands in promoters where the DNA is methylated at position 5 of cytosine within CpG dinucleotides. Binding is abolished by the presence of 7-mG that is produced by DNA damage by methylmethanesulfonate (MMS). Acts as transcriptional repressor and plays a role in gene silencing by recruiting AFT7IP, which in turn recruits factors such as the histone methyltransferase SETDB1. Probably forms a complex with SETDB1 and ATF7IP that represses transcription and couples DNA methylation and histone 'Lys-9' trimethylation. Isoform 1 and isoform 2 can also repress transcription from unmethylated promoters.
Product Categories/Family for anti-MBD1 antibody	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	323462147
NCBI GeneID	4152
NCBI Accession #	NP_001191065.1
NCBI GenBank Nucleotide #	NM_001204136.1
UniProt Accession #	Q9UIS9 ; O15248 ; O95241 ; Q7Z7B5 ; Q8N4W4 ; Q9UNZ6 ; A4UTZ0 ; B4DXJ5 ; E9PEC5 ; K7ELI2 ; K7EQZ4 ; K7ESN0
Molecular Weight	72,126 Da
NCBI Official Full Name	methyl-CpG-binding domain protein 1 isoform 6
NCBI Official Synonym Full Names	methyl-CpG binding domain protein 1
NCBI Official Symbol	MBD1
NCBI Official Synonym Symbols	RFT; PCM1; CXXC3
NCBI Protein Information	methyl-CpG-binding domain protein 1
UniProt Protein Name	Methyl-CpG-binding domain protein 1
UniProt Gene Name	MBD1
UniProt Synonym Gene Names	CXXC3; PCM1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mbd1-antibody-immunofluorescence-immunohistochemistry-elisa/233800>