

Datasheet for ABIN7159610
anti-MBD1 antibody (AA 106-355) (Biotin)



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Overview

Quantity:	100 µg
Target:	MBD1
Binding Specificity:	AA 106-355
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MBD1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Methyl-CpG-binding domain protein 1 protein (106-355AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	MBD1
Alternative Name:	MBD1 (MBD1 Products)
Background:	Background: 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

Target Details

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.

Aliases: CXXC 3 antibody, CXXC-type zinc finger protein 3 antibody, CXXC3 antibody, MBD 1 antibody, Mbd1 antibody, MBD1_HUMAN antibody, MECP1 COMPLEX antibody, Methyl CpG binding domain protein 1 antibody, Methyl CpG binding domain protein 1 isoform PCM1 antibody, Methyl CpG binding protein MBD1 antibody, Methyl CpG binding protein splice variant 1 antibody, Methyl CpG binding protein splice variant 2 antibody, Methyl CpG binding protein splice variant 3 antibody, Methyl CpG binding protein splice variant 4 antibody, Methyl-CpG-binding domain protein 1 antibody, Methyl-CpG-binding protein MBD1 antibody, PCM 1 antibody, PCM1 antibody, Protein containing methyl-CpG-binding domain 1 antibody, Regulator of fibroblast growth factor 2 (FGF 2) transcription antibody, RFT antibody, The regulator of fibroblast growth factor 2(FGF 2) transcription antibody

UniProt: [Q9UIS9](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.