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# Datasheet for ABIN7159609 anti-MBD1 antibody (AA 106-355)

2 Images



### Overview

Quantity:	100 µg
Target:	MBD1
Binding Specificity:	AA 106-355
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MBD1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant Human Methyl-CpG-binding domain protein 1 protein (106-355AA)
Isotype:	lgG
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

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7159609 | 09/10/2023 | Copyright antibodies-online. All rights reserved. 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-CpGbinding 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

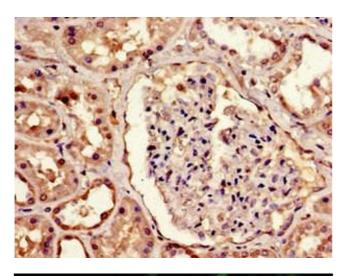
UniProt:

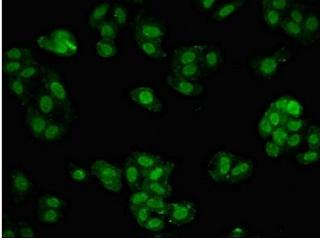
Q9UIS9

### Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,
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.

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#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7159609 at dilution of 1:100

### Immunofluorescence

**Image 2.** Immunofluorescent analysis of HepG2 cells using ABIN7159609 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

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