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Datasheet for ABIN657677 anti-MBD3 antibody (N-Term)

Image



Overview

Quantity:	400 µL
Target:	MBD3
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)
Product Details	
Immunogen:	This MBD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 1-30 amino acids from the N-terminal region of human MBD3.

Clone:	RB33769
lsotype:	Ig Fraction
Predicted Reactivity:	Μ
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MBD3
Alternative Name:	MBD3 (MBD3 Products)
Background:	DNA methylation is the major modification of eukaryotic genomes and plays an essential role in

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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). However, unlike the other family members, MBD3 is not capable of binding to
methylated DNA. The predicted MBD3 protein shares 71 % and 94 % identity with MBD2
(isoform 1) and mouse Mbd3. MBD3 is a subunit of the NuRD, a multisubunit complex
containing nucleosome remodeling and histone deacetylase activities. MBD3 mediates the
association of metastasis-associated protein 2 (MTA2) with the core histone deacetylase
complex.

Molecular Weight:	32844
Gene ID:	53615
NCBI Accession:	NP_001268382, NP_001268383
UniProt:	095983
Pathways:	Chromatin Binding

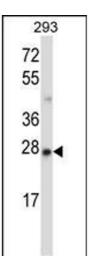
Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	MBD3 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months

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Western Blotting

Image 1. MBD3 Antibody (N-term) (ABIN657677 and ABIN2846669) western blot analysis in 293 cell line lysates (35 µg/lane).This demonstrates the MBD3 antibody detected the MBD3 protein (arrow).

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