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anti-MBD2 antibody (Center)



Image



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Overview

Quantity:	100 μL
Target:	MBD2
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MBD2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human MBD2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Xenopus laevis
Cross-Reactivity (Details):	Mouse (98 %), Rat (98 %), Xenopus laevis (89 %)
Characteristics:	Rabbit polyclonal antibody to MBD2 (methyl-CpG binding domain protein 2) MBD2 antibody [N2C3]
Purification:	Purified by antigen-affinity chromatography.

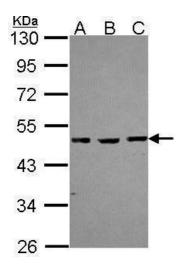
Target Details

Target:	MBD2
Alternative Name:	MBD2 (MBD2 Products)
Background:	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. The protein encoded by this gene may function as a mediator of the biological
	consequences of the methylation signal. It is also reported that the this protein functions as a
	demethylase to activate transcription, as DNA methylation causes gene silencing.
	Cellular Localization: Nucleus
Molecular Weight:	43 kDa
Gene ID:	8932
Pathways:	Chromatin Binding
Application Details	
Application Notes:	Suggested dilution Reference Western blot 1:500-1:3000* Not tested in other applications.
	*Optimal dilutions/concentrations should be determined by the researcher.Suggested
	dilutionReferenceWestern blot1:500-1:3000*
Comment:	Positive Control: A431 , Jurkat , Raji
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.48 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
rieservative.	
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE
	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage Comment:

Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: A431 , B: JurKat C: Raji 10% SDS PAGE antibody diluted at 1:1000