MBD1 Antibody

Catalog No: #35476

Orders: order@signalwayantibody.com
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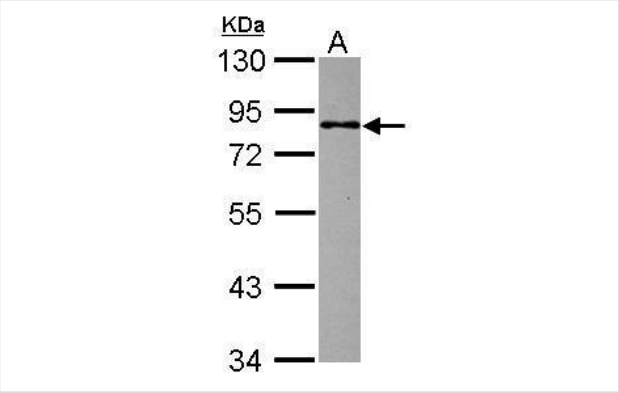
Description

Product Name	MBD1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by antigen-affinity chromatography.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total MBD1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fragment contain a sequence corresponding to a region within amino acids 106 and 355 of MBD1.
Target Name	MBD1
Other Names	CXXC3 antibody; PCM1 antibody; RFT antibody; MBD1 antibody; the regulator of fibroblast growth factor 2 (FGF-2) transcription antibody; CXXC-type zinc finger protein 3 antibody; methyl-CpG-binding domain protein 1 antibody; methyl-CpG binding domain prote
Accession No.	Swiss-Prot#:Q9UIS9;NCBI Gene#:4152
Uniprot	Q9UIS9
GeneID	4152;
SDS-PAGE MW	67kd
Concentration	1mg/ml
Formulation	Rabbit IgG in 1XPBS, 1%BSA, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:3000

Images



Sample (30 ug of whole cell lysate)
A: Jurkat
10% SDS PAGE
#35476 diluted at 1:1000

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. Five transcript variants of the MBD1 are generated by alternative splicing resulting in protein isoforms that contain one MBD domain, two to three cysteine-rich (CXXC) domains, and some differences in the COOH terminus. All five transcript variants repress transcription from methylated promoters; in addition, variants with three CXXC domains also repress unmethylated promoter activity. MBD1 and MBD2 map very close to each other on chromosome 18q21. [provided by RefSeq]

Note: This product is for in vitro research use only