

Rabbit anti-Human MBD2 Polyclonal Antibody | anti-MBD2 antibody

Anti-MBD2 Antibody

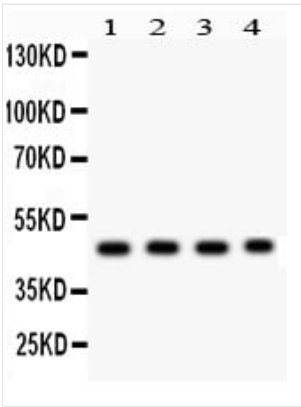
CATALOG # AAA46368	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

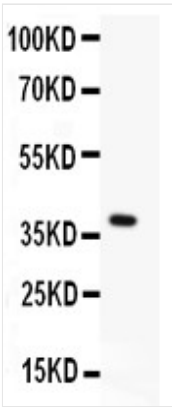
MBD2; Polyclonal Antibody; Anti-MBD2 Antibody; Methyl-CpG-binding domain protein 2; DEMETHYLASE; DKFZp586O0821; DMTase; MBD 2; Mbd2; MBD2_HUMAN; MBD2a; Methyl CpG binding domain protein 2; Methyl CpG binding protein MBD2; Methyl-CpG-binding protein MBD2; NY CO 41; methyl-CpG binding domain protein 2; anti-MBD2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	411
Applicable Applications for anti-MBD2 antibody	WB (Western Blot)
Immunogen	E Coli-derived human MBD2 recombinant protein (Position: W159-A411). Human MBD2 shares 98% amino acid (aa) sequence identity with mouse MBD2.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	The lab provides a series of assays reacted with primary antibodies. It can also be supported by chemiluminescence kit in Western Blot (WB).
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Anti- MBD2 antibody, Western blottingAll lanes: Anti MBD2 at 0.5ug/mlLane 1: SGC Whole Cell Lysate at 40ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: JURKAT Whole Cell Lysate at 40ugLane 4: K562 Whole Cell Lysate at 40ugPredicted bind size: 47KDObserved bind size: 47KD



WB (Western Blot)
Anti- MBD2 antibody, Western blottingAll lanes: Anti MBD2 at 0.5ug/mlWB: Recombinant Human MBD2 Protein 0.5ngPredicted bind size: 40KDObserved bind size: 40KD

ADDITIONAL INFORMATION

Related Product Information for anti-MBD2 antibody	Description: Rabbit IgG polyclonal antibody for Methyl-CpG-binding domain protein 2(MBD2) detection. Tested with WB in Human. Background: Methyl-CpG-binding domain protein 2 is a protein that in humans is encoded by the MBD2 gene. It is mapped to 18q21.2. 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. DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. The protein encoded by this gene may function as a mediator of the biological consequences of the methylation signal. It is also reported that this protein functions as a demethylase to activate transcription, as DNA methylation causes gene silencing.
References	1. Hendrich B, Abbott C, McQueen H, Chambers D, Cross S, Bird A (September 1999). "Genomic structure and chromosomal mapping of the murine and human Mbd1, Mbd2, Mbd3, and Mbd4 genes". Mamm Genome 10 (9): 906-12. 2. Hendrich, B., Bird, A. Identification and characterization of a family of mammalian methyl-CpG binding proteins. Molec. Cell. Biol. 18: 6538-6547, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505117
NCBI GeneID	8932
NCBI Accession #	NP_003918.1
NCBI GenBank Nucleotide #	NM_003927.4
UniProt Accession #	Q9UBB5; O95242; Q9UIS8
Molecular Weight	31,745 Da
NCBI Official Full Name	methyl-CpG-binding domain protein 2 isoform 1
NCBI Official Synonym Full Names	methyl-CpG binding domain protein 2
NCBI Official Symbol	MBD2
NCBI Official Synonym Symbols	DMTase; NY-CO-41
NCBI Protein Information	methyl-CpG-binding domain protein 2
UniProt Protein Name	Methyl-CpG-binding domain protein 2

UniProt Gene Name	MBD2
UniProt Synonym Gene Names	DMTase
UniProt Entry Name	MBD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mbd2-antibody-western-blot-elisa/46368>