

Rabbit MeCP2 Polyclonal Antibody | anti-MECP2 antibody

MeCP2 Antibody (N-term)

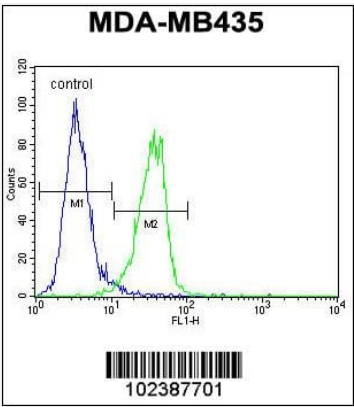
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290102	Rabbit	Human (Predicted Reactivity: Monkey)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

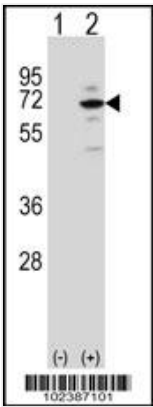
MeCP2; Polyclonal Antibody; MeCP2 Antibody (N-term); Methyl-CpG-binding protein 2; MeCp-2 protein; MeCp2; MECP2; anti-MECP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MeCP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human MeCP2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	498
Applicable Applications for anti-MECP2 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
MeCP2 Antibody (N-term) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of MeCP2 (arrow) using rabbit polyclonal MeCP2 Antibody (E11). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the MeCP2 gene.

ADDITIONAL INFORMATION

Related Product Information for anti-MECP2 antibody	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. In contrast to other MBD family members, MECP2 is X-linked and subject to X inactivation. MECP2 is dispensible in stem cells, but is essential for embryonic development. MECP2 gene mutations are the cause of some cases of Rett syndrome, a progressive neurologic developmental disorder and one of the most common causes of mental retardation in females.
Product Categories/Family for anti-MECP2 antibody	Neuroscience
References	dos Santos, J.M., et al., Neurosci. Lett. 379(1):13-16 (2005). Ylisaukko-Oja, T., et al., Am J Med Genet A 132(2):121-124 (2005). Schanen, C., et al., Am J Med Genet A 126(2):129-140 (2004). Shibayama, A., et al., Am. J. Med. Genet. B Neuropsychiatr. Genet. 128(1):50-53 (2004). Fang, J.Y., et al., World J. Gastroenterol. 10(23):3394-3398 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	160707950
NCBI GeneID	4204
NCBI Accession #	NP_001104262.1; NP_004983.1
NCBI GenBank Nucleotide #	NM_001110792.1
UniProt Accession #	P51608; O15233; Q6QHH9; Q7Z384
Molecular Weight	52441
NCBI Official Full Name	methyl-CpG-binding protein 2 isoform 2
NCBI Official Synonym Full Names	methyl CpG binding protein 2
NCBI Official Symbol	MECP2
NCBI Official Synonym Symbols	RS; RTS; RTT; PPMX; MRX16; MRX79; MRXSL; AUTSX3; MRXS13
NCBI Protein Information	methyl-CpG-binding protein 2
UniProt Protein Name	Methyl-CpG-binding protein 2

UniProt Gene Name	MECP2
UniProt Synonym Gene Names	MeCp-2 protein; MeCp2
UniProt Entry Name	MECP2_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://www.aaabiotech.com/polyclonal/mecp2-antibody-flow-cytometry-western-blot-elisa/290102>