

Rabbit MeCP2 Polyclonal Antibody | anti-MECP2 antibody

MeCP2 Antibody (N-term S80)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285734	Rabbit	Human (Predicted Reactivity: Monkey, Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

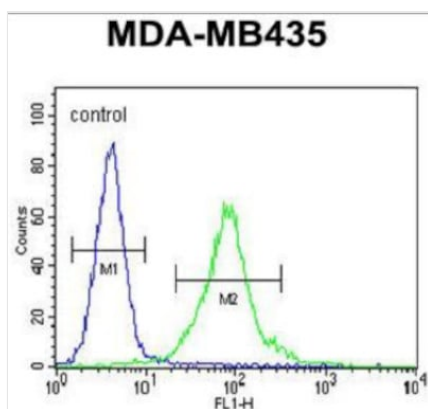
PRODUCT SYNONYMS

MeCP2; Polyclonal Antibody; MeCP2 Antibody (N-term S80); Methyl-CpG-binding protein 2; MeCp-2 protein; MeCp2; MECP2; anti-MECP2 antibody

PRODUCT SPECIFICATIONS

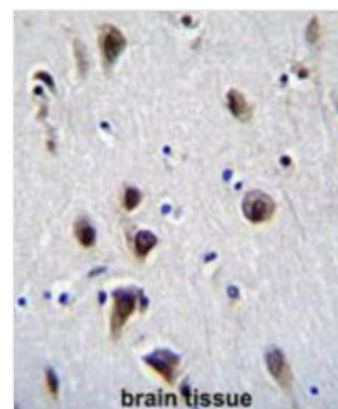
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MeCP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 58-87 amino acids from the N-terminal region of human MeCP2.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	58-87
Sequence Length	498
Applicable Applications for anti-MECP2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



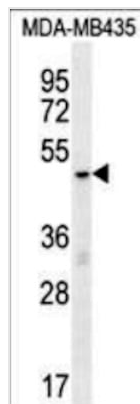
FCM/FACS (Flow Cytometry)

MeCP2 Antibody (N-term S80) 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.



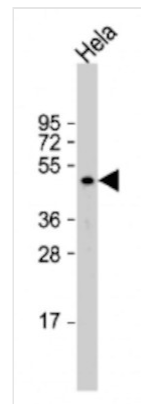
IHC (Immunohistochemistry)

MeCP2 Antibody (N-term S80) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MeCP2 Antibody (N-term S80) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

MeCP2 Antibody (pS80) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the MeCP2 antibody detected the MeCP2 protein (arrow).



WB (Western Blot)

Anti-MeCP2 Antibody (N-term S80) at 1:500 dilution + HeLa whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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 most cases of Rett syndrome, a progressive neurologic developmental disorder and one of the most common causes of mental retardation in females. [provided by RefSeq].
Product Categories/Family for anti-MECP2 antibody	Neuroscience
References	Shapiro, J.R., et al. <i>Pediatr. Res.</i> 68(5):446-451(2010) Pintaudi, M., et al. <i>Epilepsy Behav</i> (2010) In press : Jain, D., et al. <i>Pediatr. Neurol.</i> 43(1):35-40(2010) Harvey, C.G., et al. <i>Am. J. Med. Genet. B Neuropsychiatr. Genet.</i> 144B (3), 355-360 (2007) : Francke, U. <i>Nat Clin Pract Neurol</i> 2(4):212-221(2006)

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-immunohistochemistry-western-blot-elisa/285734>