

Rabbit MECP2 Polyclonal Antibody | anti-MECP2 antibody

Anti-MECP2 Antibody, Rabbit Polyclonal

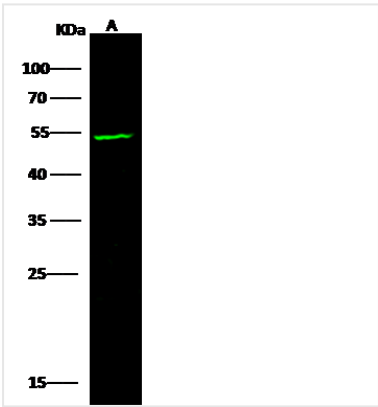
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254412	Rabbit	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MECP2; Polyclonal Antibody; Anti-MECP2 Antibody; Rabbit Polyclonal; MECP2 Antibody; Rabbit PAb; Antigen Affinity Purified; methyl CpG binding protein 2; Anti-AUTSX3 Antibody; Anti-MRX16 Antibody; Anti-MRX79 Antibody; Anti-MRXS13 Antibody; Anti-MRXSL Antibody; Anti-PPMX Antibody; Anti-RS Antibody; Anti-RTS Antibody; Anti-RTT Antibody; anti-MECP2 antibody

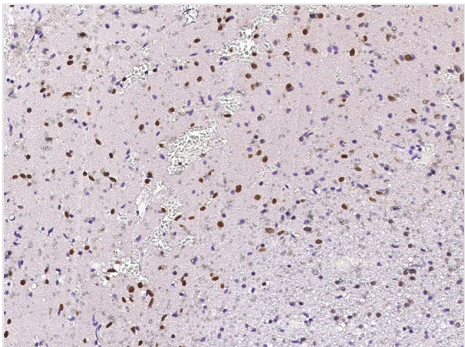
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MECP2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MECP2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human MECP2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human MECP2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



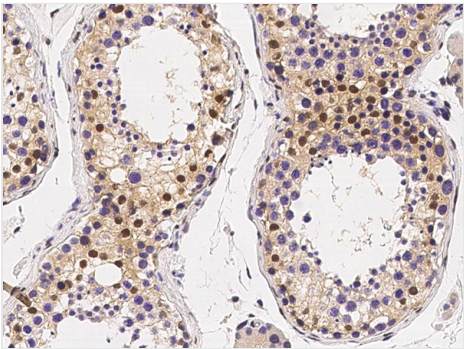
WB (Western Blot)

Anti-MECP2 rabbit polyclonal antibody at 1:500 dilutionLane A: A431 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:52 kDaObserved band size:52 kDa



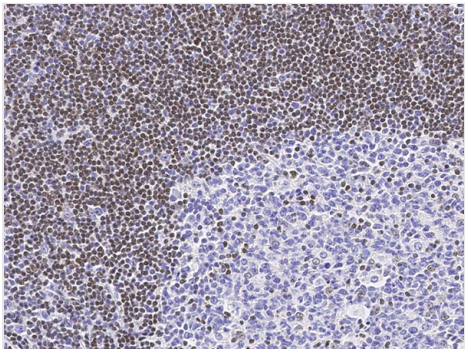
IHC (Immunohistochemistry)

Immunochemical staining of human MECP2 in human brain with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).



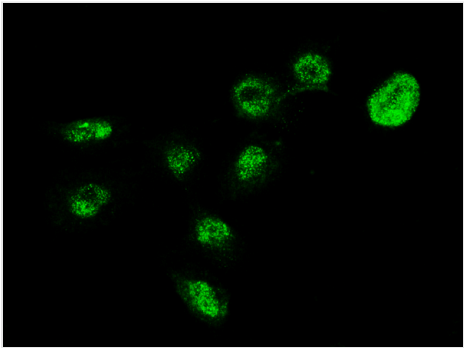
IHC (Immunohistochemistry)

Immunochemical staining of human MECP2 in human testis with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human MECP2 in human tonsil with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).



IF (Immunofluorescence)

Immunofluorescence staining of MECP2 in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-human MECP2 polyclonal antibody (1:5000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green).Positive staining was localized to nucleus.

ADDITIONAL INFORMATION

Related Product Information for anti-MECP2 antibody	The methyl-CpG-binding protein 2 (MECP2), a transcriptional suppressor, is involved in gene regulation by binding to methylated promoters. Methyl-CpG-binding protein 2 (MeCP2), encoded by the gene MECP2, is a transcriptional regulator and chromatin-remodeling protein, which is ubiquitously expressed and plays an essential role in the development and maintenance of the central nervous system (CNS)MECP2 is a critical gene for neural development, mutations or duplication of which led to severe neurodevelopmental disorders, such as Rett syndrome (RTT) and autism spectrum disorders (ASD). Methyl-CpG-binding protein 2 (MECP2) deleterious variants, which are responsible for Rett syndrome in girls, are involved in a wide spectrum of developmental disabilities in males.MECP2 duplication syndrome, which is caused by duplication of part of the Xq28 region containing the MECP2 gene, causes intellectual disability and mild dysmorphic features in males.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	160707950
NCBI GeneID	4204
NCBI Accession #	NP_001104262.1
NCBI GenBank Nucleotide #	NM_001110792.1
UniProt Accession #	P51608; O15233; Q6QHH9; Q7Z384
Molecular Weight	486
NCBI Official Full Name	methyl-CpG-binding protein 2 isoform 2
NCBI Official Synonym Full Names	methyl CpG binding protein 2 (Rett syndrome)
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; meCp-2 protein
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://stage.aaabiotech.com/polyclonal/meCP2-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/254412>