

Chicken MeCP2 (Methyl-CpG Binding Protein 2) Polyclonal Antibody | anti-MeCP2 antibody

MeCP2 (Methyl-CpG Binding Protein 2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76714	Chicken	Human, Mouse, Rat, Primate	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

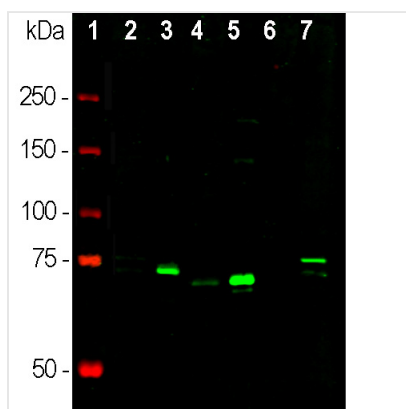
PRODUCT SYNONYMS

MeCP2 (Methyl-CpG Binding Protein 2); Polyclonal Antibody; anti-MeCP2 antibody

PRODUCT SPECIFICATIONS

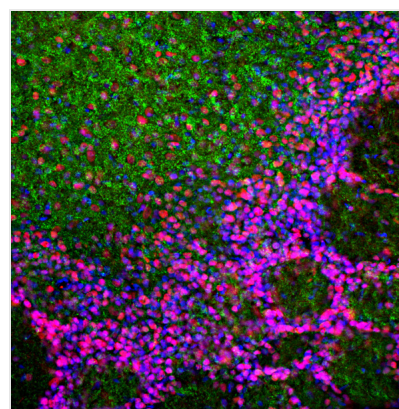
Host	Chicken
Reactivity	Human, Mouse, Rat, Primate
Clonality	Polyclonal
Isotype	Chicken IgY
Form/Format	Liquid. Supplied as an aliquot of IgY preparation plus 5mM NaN3
Applicable Applications for anti-MeCP2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Full length recombinant human MeCP2 expressed in and purified from E coli.
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for sixmonths without detectable loss of activity. The antibody can be stored at 2 degree - 8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of tissue and cell lysates using chicken pAb to MeCP2, AAA76714, dilution 1:20,000 in green: [1] protein standard (red), [2] rat whole brain, [3] nuclear fraction of rat brain, [4] mouse whole brain, [5] nuclear fraction of mouse brain lysate, [6] C6 cell lysate, and [7] SH-SY5Y cell lysate. The strong band at about 75kDa corresponds to the MeCP2 protein.



IF (Immunofluorescence)

Immunofluorescent analysis of rat olfactory bulb section stained with chicken pAb to MeCP2, AAA76714, dilution 1:2,000 in red and costained with mouse mAb to alpha-synuclein in green. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45uM, and free-floating sections were stained with the above antibodies.

ADDITIONAL INFORMATION

Related Product Information for anti-MeCP2 antibody	Methyl-CpG Binding Protein 2 (MeCP2) is widely expressed in tissues and particularly heavily in neurons. It is a nuclear protein which was found to bind methylated cytosines in CpG islands in DNA, but which may also bind hydroxymethyl cytosine residues. This antibody was made against full length recombinant human MeCP2 expressed in and purified from E coli and can be used to identify neurons transiently expressing high levels of this nuclear protein.
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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-methyl-cpg-binding-protein-2-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76714>