

**MeCP2 polyclonal antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11362****Specification**

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**MeCP2 polyclonal antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P51608</a>
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52441

**MeCP2 polyclonal antibody - Additional Information****Gene ID** 4204

Positive Control	Western blot: Hela cells, ELISA: peptides, ChIP: U2OS cells.
Application & Usage	ChIP: 5 µg/ChIP, WB: 1:1000, ELISA: 1:1000
<b>Other Names</b>	
AUTSX3, MRX16, MRX79, MRXS13, MRXSL, PPMX, RTS, RTT	

**Target/Specificity**  
MeCP2**Antibody Form**  
Liquid**Appearance**  
Colorless liquid**Formulation**  
In PBS with 0.05% sodium azide and 0.05% ProClin 300.**Handling**  
The antibody solution should be gently mixed before use.**Reconstitution & Storage**  
-20 °C**Background Descriptions****Precautions**  
MeCP2 polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.**MeCP2 polyclonal antibody - Protein Information**

**Name** MECP2**Function**

Chromosomal protein that binds to methylated DNA. It can bind specifically to a single methyl-CpG pair. It is not influenced by sequences flanking the methyl-CpGs. Mediates transcriptional repression through interaction with histone deacetylase and the corepressor SIN3A. Binds both 5-methylcytosine (5mC) and 5-hydroxymethylcytosine (5hmC)- containing DNA, with a preference for 5-methylcytosine (5mC).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:Q9Z2D6}. Note=Colocalized with methyl-CpG in the genome. Colocalized with TBL1X to the heterochromatin foci.

**Tissue Location**

Present in all adult somatic tissues tested.

**MeCP2 polyclonal antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**MeCP2 polyclonal antibody - Images****MeCP2 polyclonal antibody - Background**

MeCP2 is a chromosomal protein with abundant binding sites in the chromatin. It belongs to the family of methyl CpG binding proteins which also comprises MBD1, MBD2, MBD3 and MBD4. MeCP2 can bind specifically to methylated promoters, thereby repressing transcription. This transcriptional repression is mediated through interaction with histone deacetylase and the corepressor SIN3A. MeCP2 also is essential for development. Mutations in MeCP2 are the cause of several types of mental retardation including Rett syndrome, a progressive neurological disorder that causes mental retardation in females and mental retardation syndromic X-linked type 13, and may also be involved in Angelman syndrome and susceptibility to some types of autism.