10320 Camino Santa Fe, Suite G
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MeCP2 Antibody
Mouse Monoclonal Antibody
Catalog # AN1279

Specification

MeCP2 Antibody - Product Information

Application	**WB**
Primary Accession	P51608
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**52441**

MeCP2 Antibody - Additional Information

Gene ID	**4204**
Gene Name	**MECP2**

Target/Specificity
Full length human recombinant MeCP2

Dilution
WB~~ 1:2000

Format
Protein G purified culture supernatant

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MeCP2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping
Blue Ice

MeCP2 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 Cytomety

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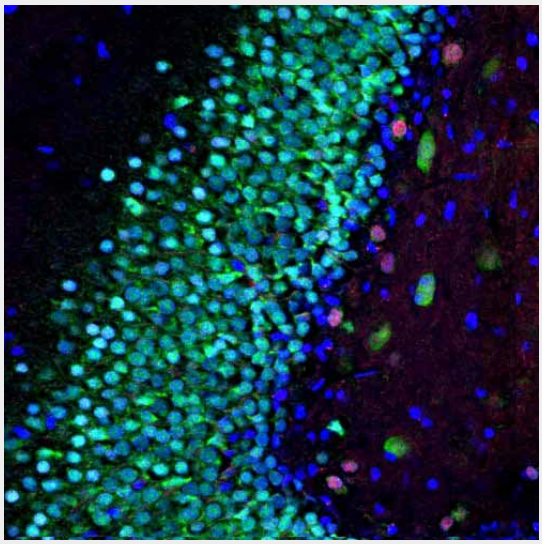
- Cell Culture

MeCP2 Antibody - Images



Western blot of mouse whole brain lysate showing specific immunolabeling of the MeCP2 protein at ~75 kDa.

MeCP2 Antibody - Background

MeCP2 (Methyl-CpG Binding Protein 2) is a chromosomal protein that binds to methylated DNA. It can bind specifically to a single methyl-CpG pair and is not influenced by sequences flanking the methyl-CpGs. MeCP2 has been shown to mediate transcriptional repression through interaction with histone deacetylase and the corepressor SIN3A (Nan et al., 1998). Defects in MeCP2 are the cause of Rett syndrome (RTT) (Amir et al., 1999). RTT is an X-linked dominant disease; it is a progressive neurologic developmental disorder and one of the most common causes of mental retardation in females.