10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MeCP2 (Ser80) Antibody

Our Anti-MeCP2 (Ser80) phosphospecific primary antibody from PhosphoSolutions is rabbit polyclonal.

Catalog # AN1444

Specification

Anti-MeCP2 (Ser80) Antibody - Product Information

Application	**WB**
Primary Accession	P51608
Reactivity	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**52441**

Anti-MeCP2 (Ser80) Antibody - Additional Information

Gene ID	**4204**

Other Names
AUTSX 3 antibody, AUTSX3 antibody, DKFZp686A24160 antibody, Mbd 5 antibody, Mbd5 antibody, MECP 2 antibody, MeCP 2 protein antibody, MeCP-2 protein antibody, Mecp2 antibody, MECP2_HUMAN antibody, Methyl CpG binding protein 2 (Rett syndrome) antibody, Methyl CpG binding protein 2 antibody, Methyl-CpG-binding protein 2 antibody, MRX 16 antibody, MRX 79 antibody, MRX16 antibody, MRX79 antibody, MRXS 13 antibody, MRXS13 antibody, MRXSL antibody, PPMX antibody, RS antibody, RTS antibody, RTT antibody, WBP 10 antibody, WBP10 antibody

Target/Specificity
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. Defects in MECP2 are the cause of Rett syndrome (RTT). 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. Recent studies have reported a new phosphorylation site at Ser-80. Phosphorylation and dephosphorylation of this site may be involved in modulating the dynamic function of MECP2 in neurons transiting between resting and active states within neural circuits that underlie behaviors. (Tao et al., 2009)

Format
Serum

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
Anti-MeCP2 (Ser80) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

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Blue Ice

Anti-MeCP2 (Ser80) 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
- Cell Culture

Anti-MeCP2 (Ser80) Antibody - Images

Anti-MeCP2 (Ser80) Antibody - Background

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