
MeCP2 (Ser80) Antibody

Subcategory: Rabbit Polyclonal Antibody, Phosphospecific Antibody

Cat. No.: 252553

Unit: 0.1 ml

Description:

Methyl-CpG-binding protein 2 (MeCP2) is a chromosomal protein that binds to methylated DNA. MeCP2 can bind specifically to a single methyl-CpG pair. It is not influenced by sequences flanking the methyl-CpGs. MeCP2 mediates transcriptional repression through interaction with histone deacetylase and the corepressor SIN3A. Defects in MeCP2 are linked to Angelman syndrome (AS), also known as happy puppet syndrome. AS is a neurodevelopmental disorder characterized by severe mental retardation, absent speech, ataxia, sociable affect and dysmorphic facial features. AS and Rett syndrome have overlapping clinical features. Phosphorylation and dephosphorylation of Ser80 is involved in modulating the dynamic function of MECP2 in neurons transiting between resting and active states within neural circuits that underlie behaviors.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml crude serum in HEPES pH7.5, 150 mM NaCl, 0.01% BSA and 50% glycerol.

Antibody was purified by immunogen affinity chromatography.

Alternate Names: Methyl-CpG-binding protein 2; MeCp-2 protein; MeCp2; MECP2

Accession No.: P51608

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Ser80 of human MeCP2.

Application Notes: E: 1:1,000; WB: 1:1,000 IHC 1:100

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.