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

MeCP2 Blocking Peptide
Catalog # PBV10081b

Specification

MeCP2 Blocking Peptide - Product Information

Primary Accession	P51608
Gene ID	4204
Calculated MW	52441

MeCP2 Blocking Peptide - Additional Information

Gene ID 4204

Application & Usage	**The peptide is used for blocking the antibody MeCP2. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.**

Other Names
Methyl-CpG-binding protein 2, MeCp-2 protein, MeCp2, MECP2

Target/Specificity
MeCP2

Formulation
50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage
-20 °C

Background Descriptions

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

MeCP2 Blocking Peptide - 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 Blocking Peptide - 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

MeCP2 Blocking Peptide - Images