

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 Cytometry](#)
- [Cell Culture](#)

MeCP2 Blocking Peptide - Images