

DATASHEET

Version: 2016-08-17

MeCP2 antibody, pAb, Rabbit**Cat. No.:** A01617-40**Size:** 40 µg**Synonyms:** RTS antibody, pAb, Rabbit;**Description:**

Methyl CpG binding protein 2 (MeCP2) 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 mediates transcriptional repression through interaction with histone deacetylase and the corepressor SIN3A. CDKL5 kinase interacts with MeCP2 and mediates its phosphorylation, which suggests that they belong to the same molecular pathway. MeCP2 gene mutations are the cause of some cases of Rett syndrome, a progressive neurologic developmental disorder.

GenScript **MeCP2 Antibody, pAb, Rabbit** is developed in rabbit using a KLH-coupled synthetic peptide within residues 310–360 of human MeCP2 (Swiss Prot: P51608).

Immunogen: KLH-coupled synthetic peptide within residues 310–360 of human MeCP2 (Swiss Prot: P51608)

Host: Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Predicated Band Size:**

33 KD

Observed Band Size:

33 KD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Example**Ig Subclass:** Rabbit IgG**Specificity:** GenScript **MeCP2 Antibody, pAb, Rabbit**

detects endogenous levels of human MeCP2. It is predicted to react with rat and mouse MeCP2 according to sequence homology.

Positive Control: MCF-7**Purification:** Immunoaffinity chromatography**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western blot: 0.5-1 µg/ml**Other Applications:** User optimized

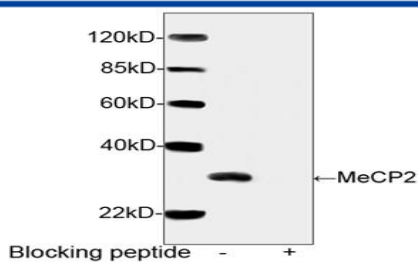
Species Reactivity: Human. This product has not been tested with other species yet.

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.



Western blot analysis of cell lysates using MeCP2 Antibody, pAb, Rabbit (GenScript, A01617, 1 μ g/ml)

The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Predicted Size: 52 KD

Observed Size: 33 KD