

MECP2 Antibody (aa11-25) Rabbit Polyclonal Antibody Catalog # ALS12096

### **Specification**

# MECP2 Antibody (aa11-25) - Product Information

Application	IHC
Primary Accession	<u>P51608</u>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52kDa KDa

## MECP2 Antibody (aa11-25) - Additional Information

Gene ID 4204

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

**Target/Specificity** A mixture of synthetic peptides corresponding to amino acids 11-25 and 181-195 of human MeCP2.

**Reconstitution & Storage** Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions** MECP2 Antibody (aa11-25) is for research use only and not for use in diagnostic or therapeutic procedures.

### MECP2 Antibody (aa11-25) - 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.

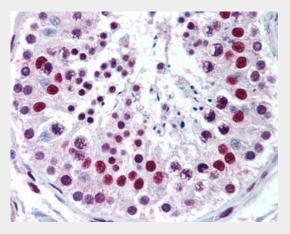


# MECP2 Antibody (aa11-25) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- <u>Dot Blot</u>
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

MECP2 Antibody (aa11-25) - Images



Anti-MECP2 antibody IHC of human testis.

# MECP2 Antibody (aa11-25) - Background

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) (By similarity).

### MECP2 Antibody (aa11-25) - References

Kudo S., et al.Mol. Cell. Biol. 18:5492-5499(1998). Vilain A., et al.Cytogenet. Cell Genet. 74:293-294(1996). Coy J.F., et al.Hum. Mol. Genet. 8:1253-1262(1999). Reichwald K., et al.Mamm. Genome 11:182-190(2000). Mnatzakanian G.N., et al.Nat. Genet. 36:339-341(2004).