

MeCP2 Antibody

Catalog_no :	AB2084
Reactivity :	H, M
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	MACFA:400-428
Specificity :	This MeCP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 400-428 amino acids from human MeCP2.
Dilution :	WB,1:2000;IHC-P,1:200;IHC-P,1:500;WB,1:2000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	Methyl-CpG-binding protein 2, MeCp-2 protein, MeCp2, MECP2
Isotype :	Rabbit Ig
Background :	DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 comprise a family of nuclear proteins related by the presence in each of a methyl-CpG binding domain (MBD). Each of these proteins, with the exception of MBD3, is capable of binding specifically to methylated DNA. MECP2, MBD1 and MBD2 can also repress transcription from methylated gene promoters. In contrast to other MBD family members, MECP2 is X-linked and subject to X inactivation. MECP2 is dispensible in stem cells, but is essential for embryonic development. MECP2 gene mutations are the cause of some cases of Rett syndrome, a progressive neurologic developmental disorder and one of the most common causes of mental retardation in females.
reference :	dos Santos, J.M., et al., Neurosci. Lett. 379(1):13-16 (2005). Ylisaukko-Oja, T., et al., Am J Med Genet A 132(2):121-124 (2005). Schanen, C., et al., Am J Med Genet A 126(2):129-140 (2004). Shibayama, A., et al., Am. J. Med. Genet. B Neuropsychiatr.