

Mouse Monoclonal Antibody to MECP2

Catalogue Number	sAP-1242
Target Molecule	<p>Name: MECP2</p> <p>Aliases: RS; RTS; RTT; PPMX; MRX16; MRX79; MRXSL; AUTSX3; MRXS13</p> <p>MW: 52.4kDa</p> <p>Entrez Gene ID: 4204</p>
Description	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 most cases of Rett syndrome, a progressive neurologic developmental disorder and one of the most common causes of mental retardation.
Immunogen	Purified recombinant fragment of human MECP2 (AA: 7-148) expressed in E. Coli.
Reactive Species	Human;
Clone	MM8H4A5B9;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.J Pediatr Surg. 2013 Oct;48(10):2099-105. ; 2.Cell Res. 2013 Nov;23(11):1244-6.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**