



Anti-MBD1 Antibody (Clone ABM15H2)

Alternative Names: Methyl-CpG-Binding Domain Protein 1, MBD1, CXXC3, PCM1

Catalogue Number: AA17-10029-50ug

Size: 50 µg

Background Information

Methyl-CpG-Binding Domain Protein 1 (MBD1) is a member of the MBD transcriptional repressor family and is predominantly expressed in neurons. It binds to methylated sequences in DNA, influencing transcription. It has been shown to play a role in chromatin modification through interaction with the histone H3K9 methyltransferase SETDB1. H3K9me3 is a repressive modification.

MBD1 acts as an epigenetic regulator via different mechanisms, such as the formation of the MCAF1/MBD1/SETDB1 complex or the MBD1-HDAC3 complex.

Product Information

Antibody Type:	Monoclonal	Host:	Mouse
Isotype:	IgG1 kappa	Species Reactivity:	Human
Immunogen:	Partial length recombinant human MBD1 from the C-terminal region of the protein		
Format:	50 µg in 100 µl PBS containing 0.05% BSA and 0.05% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	IHC WB WB: 2-4 ug/ml, Immunohistochemical analysis: 5 ug/ml		

Additional Information

Subcellular location:	Nucleus	MW:	67kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	4152	Uniprot ID:	Q9UIS9