



## Anti-MBD1 Antibody (Clone ABM15H2)

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

**Catalogue Number:** AA17-10029-100ug

**Size:** 100 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

<b>Antibody Type:</b>	Monoclonal	<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1 kappa	<b>Species Reactivity:</b>	Human
<b>Immunogen:</b>	Partial length recombinant human MBD1 from the C-terminal region of the protein		
<b>Format:</b>	100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide.		
<b>Storage Conditions:</b>	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
<b>Applications:</b>	IHC   WB WB: 2-4 ug/ml, Immunohistochemical analysis: 5 ug/ml		

### Additional Information

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