



Anti-MBD5 (full length) polyclonal antibody (DPAB-DC2439)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the methyl-CpG-binding domain (MBD) family. The MBD consists of about 70 residues and is the minimal region required for a methyl-CpG-binding protein binding specifically to methylated DNA. In addition to the MBD domain, this protein contains a PWWP domain (Pro-Trp-Trp-Pro motif), which consists of 100-150 amino acids and is found in numerous proteins that are involved in cell division, growth and differentiation. Mutations in this gene cause mental retardation autosomal dominant type 1. Haploinsufficiency of this gene is associated with a syndrome involving microcephaly, intellectual disabilities, severe speech impairment, and seizures. Alternatively spliced transcript variants have been found, but their full-length nature is not determined.
Immunogen	MBD5 (AAH14534.1, 1 a.a. ~ 229 a.a) full-length recombinant protein with GST tag. The sequence is MFPPPTANMLLPTGEGQSGRAALRDKLMSQQKDALKRKQPPPTVLSLLRQSQMDSSAVPK PGPDLLRKQGQGSFPISSMSQLQSMSCQSSHLSNSTPGCGASNTALPCSANQLHFTDP SMNSSLVLQNIPLRGEAVHCHNANTNFVHSNSPVPNHHLAGLINQIQASGNCGMLSQSGMA LGNSLHPNPPQSRISTSSTPVIPNSIVSSYNQTSSEAGMVLEKSTQRY
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MBD5 methyl-CpG binding domain protein 5 [Homo sapiens (human)]
Official Symbol	MBD5
Synonyms	MBD5; methyl-CpG binding domain protein 5; MRD1; methyl-CpG-binding domain protein 5; methyl-CpG-binding protein MBD5;
Entrez Gene ID	55777
Protein Refseq	NP_060798
UniProt ID	Q9P267
Chromosome Location	2q23.1
Function	NOT DNA binding; chromatin binding;
