## For Research Use Only

## MBD5 Polyclonal antibody

Catalog Number: 15961-1-AP

**Featured Product** 

4 Publications



**Basic Information** 

Catalog Number: 15961-1-AP

450 µg/ml
Source:
Rabbit
Isotype:

Immunogen Catalog Number:

MC0700

AG8728

Size:

GenBank Accession Number:

BC014534 GeneID (NCBI): 55777 UNIPROT ID: Q9P267

methyl-CpG binding domain protein 5

Calculated MW:

292 aa, 31 kDa, 160 kDa

Observed MW: 160 kDa

Full Name:

**Applications** 

**Tested Applications:** 

WB, ELISA

Cited Applications: WB, IF, IHC Species Specificity:

human, mouse
Cited Species:
human, mouse

Positive Controls:

WB: mouse heart tissue, human skeletal muscle tissue, mouse skeletal muscle tissue

**Purification Method:** 

WB 1:500-1:1000

Antigen affinity purification

Recommended Dilutions:

**Background Information** 

In vertebrates, cytosine methylation in DNA is one of the major epigenetic modifications, which regulates many cellular events, including developmental gene expression, X chromosome inactivation, genome defense, and genomic imprinting. DNA methylation exerts regulatory functions by recruiting specific binding proteins that contain a highly conserved methyl-CpG binding domain (MBD) [PMID:12610534,16403636]. Methyl-CpG binding domain protein 5 (MBD5) belongs to the MBD family proteins, which play central roles in transcriptional regulation and development. It is a candidate gene involved in human 2q23.1 microdeletion syndrome [PMID:23077600].

## **Notable Publications**

Author	Pubmed ID	Journal	Application
Xiao-Hui Wang	34103526	Nat Commun	WB
Mei-Rong Liang	31313936	Genet Test Mol Biomarkers	WB
Mariana Martins	37628781	Int J Mol Sci	IF

Storage

Storage

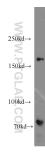
Store at -20°C. Stable for one year after shipment.

Storage Buffe

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 15961-1-AP (MBDS antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.