

For Research Use Only

MBD5 Polyclonal antibody

Catalog Number: 15961-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

15961-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 260 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8728

GenBank Accession Number:

BC014534

GeneID (NCBI):

55777

UNIPROT ID:

Q9P267

Full Name:

methyl-CpG binding domain protein 5

Calculated MW:

292 aa, 31 kDa, 160 kDa

Observed MW:

160 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

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 Buffer:

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

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

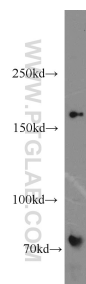
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 15961-1-AP (MBD5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.