

For Research Use Only

MBD4 Polyclonal antibody

Catalog Number: 11270-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

11270-1-AP

Size:

150ul, Concentration: 160 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1822

GenBank Accession Number:

BC011752

GeneID (NCBI):

8930

UNIPROT ID:

O95243

Full Name:

methyl-CpG binding domain protein 4

Calculated MW:

66 kDa

Observed MW:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : human skin tissue, A549 cells

Background Information

MBD4, also named as MED1, is a 580 amino acid protein, which interacts with MLH1. MBD4 as a mismatch-specific DNA N-glycosylase is involved in DNA repair and has thymine glycosylase activity and is specific for G:T mismatches within methylated and unmethylated CpG sites. MBD4 can also remove uracil or 5-fluorouracil in G:U mismatches. MBD4 exists some isoforms with MW 66 kDa and 30 kDa (The identification of a novel alternatively spliced form of the MBD4 DNA glycosylase).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Hui Wang	34103526	Nat Commun	WB
Mei-Rong Liang	31313936	Genet Test Mol Biomarkers	WB

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

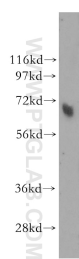
For technical support and original validation data for this product please contact:

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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



human skin tissue were subjected to SDS PAGE followed by western blot with 11270-1-AP (MBD4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.