

MBD4 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10042**Specification**

MBD4 Antibody - Product Information

Application	WB
Primary Accession	O95243
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	66051

MBD4 Antibody - Additional Information**Gene ID** 8930

Positive Control	Jurkat cell lysates
Application & Usage	The antibody can be used in Western Blot analysis (0.5-4 µg/ml). However, the optimal concentrations should be determined individually.

Other Names

MBD4, Methyl-CpG-binding domain protein 4, Methyl-CpG-binding endonuclease 1, Methyl-CpG-binding protein, MBD4, Mismatch-specific DNA N-glycosylase, MED1

Target/Specificity

MBD4

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-MBD4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

MBD4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MBD4 Antibody - Protein Information

Name MBD4 ([HGNC:6919](#))

Function

Mismatch-specific DNA N-glycosylase involved in DNA repair. Has thymine glycosylase activity and is specific for G:T mismatches within methylated and unmethylated CpG sites. Can also remove uracil or 5-fluorouracil in G:U mismatches. Has no lyase activity. Was first identified as methyl-CpG-binding protein.

Cellular Location

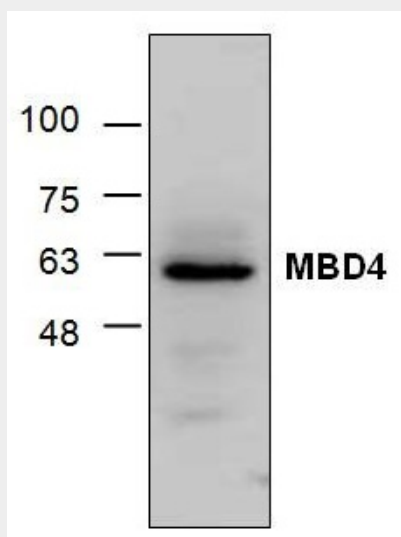
Nucleus.

MBD4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MBD4 Antibody - Images



Western blot analysis of MBD4 using Jurkat cell lysate.

MBD4 Antibody - Background

MBD4 (methyl-CpG-binding domain protein 4) belongs to the MBD family of nuclear proteins that

bind to methylated CpG sites and represses gene transcription. Human proteins MECP2, MBD1, MBD2, and MBD4, except MBD3 bind specifically to methylated DNA. MBD4 exhibits thymine glycosylase activity and is known to play an important function in DNA mismatch repair and apoptosis.