10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

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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.

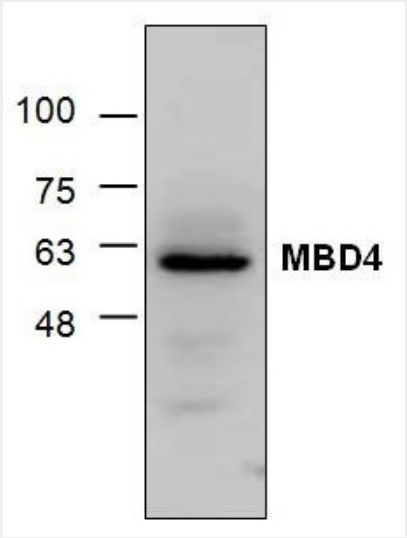
Cellular Location
Nucleus.

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 Cytomety
- 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.