# ARG42928
# anti-MBD4 / MED1 antibody

Package: 50 µg
Store at: -20°C

## Summary

| | |
|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes MBD4 / MED1 |
| Tested Reactivity | Hu, Rat |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | MBD4 / MED1 |
| Species | Human |
| Immunogen | Synthetic peptide corresponding to aa. 566-580 of Human MBD4 / MED1. (YHDWLWENHEKLSLS) |
| Conjugation | Un-conjugated |
| Alternate Names | Methyl-CpG-binding endonuclease 1; MED1; Methyl-CpG-binding domain protein 4; Mismatch-specific DNA N-glycosylase; EC 3.2.2.-; Methyl-CpG-binding protein MBD4 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| WB | 1:500 - 1:2000 |

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|---|---|
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |
| Observed Size | ~ 66 kDa |

## Properties

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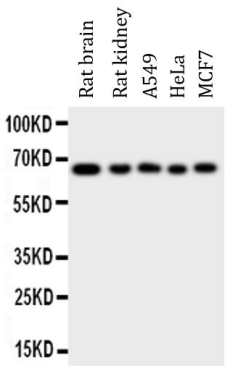
|---|---|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.2% Na2HPO4, 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA. |
| Preservative | 0.05% Thimerosal and 0.05% Sodium azide |
| Stabilizer | 5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

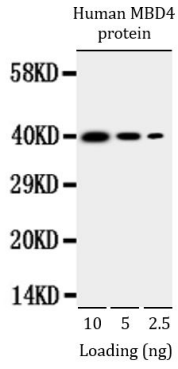
| | |
|---|---|
| Gene Symbol | MBD4 |
| Gene Full Name | methyl-CpG binding domain 4 DNA glycosylase |
| Background | The protein encoded by this gene is a member of a family of nuclear proteins related by the presence of a methyl-CpG binding domain (MBD). These proteins are capable of binding specifically to methylated DNA, and some members can also repress transcription from methylated gene promoters. This protein contains an MBD domain at the N-terminus that functions both in binding to methylated DNA and in protein interactions and a C-terminal mismatch-specific glycosylase domain that is involved in DNA repair. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013] |
| 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. [UniProt] |
| Calculated Mw | 66 kDa |
| Cellular Localization | Nucleus. [UniProt] |

## Images




ARG42928 anti-MBD4 / MED1 antibody WB image

Western blot: Rat brain, Rat kidney, A549, HeLa and MCF7 cell lysates stained with ARG42928 anti-MBD4 / MED1 antibody.




ARG42928 anti-MBD4 / MED1 antibody WB image

Western blot: 10 ng, 5 ng and 2.5 ng (left to right) of recombinant Human MBD4 protein stained with ARG42928 anti-MBD4 / MED1 antibody.

Source: E. coli derived recombinant Human MBD4, 39.7 kDa (162 aa tag + Q400-S580)