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## **MBD4 (C) Antibody, Rabbit Polyclonal**

**Cat#: R0451-3**

**Quantity: 100 ul**

**Predicted | Observed M.W.: 66 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: O95243**

### **Background:**

Methyl-CpG-binding domain protein 4 (MBD4) is a nuclear protein containing 1 MBD (methyl-CpG-binding) domain. MBD4 was first identified as a methyl-CpG-binding protein. It was demonstrated later that MBD4 is a mismatch-specific DNA N-glycosylase involved in DNA repair. MBD4 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, while it does not have lyase activity.

### **Other Names:**

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

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human MBD4. Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

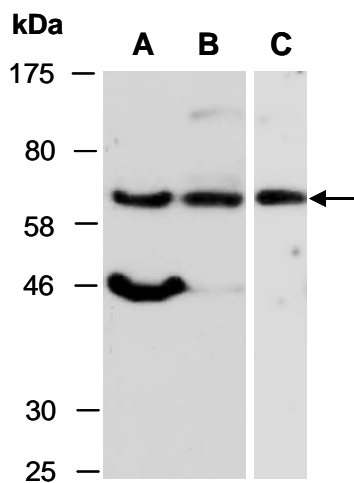
Human, Mouse

### **Tested Applications:**

WB: 1:1,000-1:3,000 (detect endogenous protein\*)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

**Product Data:**



**Fig 1.** Western blot of total cell extracts from (A) human HeLa, (B) human Jurkat, (C) mouse thymus; using anti-MBD4 (C) at RT for 2 h.