

Datasheet for ABIN6972316
anti-MBD1 antibody (C-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	MBD1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This MBD1 antibody was raised against a peptide within the C-terminal region of human MBD1.
Isotype:	IgG
Characteristics:	<p>MBD1 (methyl-CpG binding domain protein 1) is thought to function as a mediator of the biological consequences of DNA methylation. Methylation of mammalian DNA has long been recognized to play a major role in a number of cellular functions such as development and control of gene expression. It is generally associated with the repressive chromatin state. The complex series of events leading to this repressive state involve the coordinated regulation of DNA methyltransferases and two other groups of proteins called the Methyl-CpG binding proteins (MBD proteins) and the Kaiso family of proteins. The MBD family of proteins include MeCP2, MBD1, MBD2, MBD3 and MBD4. MBD1 is recruited to both methylated and non-methylated CpGs via separate domains: the CXXC domain targets the protein to non-methylated CpGs whereas the MBD domain targets the protein to methylated CpG. During S phase of the cell cycle, MBD1 can interact with SETDB1 (H3K9 methyltransferase). MBD1</p>

Product Details

antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot, it has been shown to react with Human samples.

Purification: Affinity Purified

Target Details

Target: MBD1

Alternative Name: MBD1 ([MBD1 Products](#))

Molecular Weight: 80 kDa

NCBI Accession: [NP_056671](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

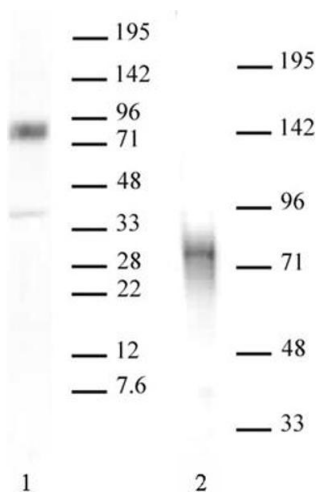
Buffer: Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Western Blotting

Image 1. MBD1 antibody tested by Western blot. Western blot using MBD1 antibody (pAb) at 1:500 dilution. Lane 1: Nuclear extract (25 µg) of HeLa cells. Lane 2: Nuclear extract (30 µg) of Jurkat cells.