

Datasheet for ABIN6940006

anti-MBD1 antibody**1** Image[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MBD1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MBD1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human MBD1 protein
Clone:	CPTC-MBD1-1
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	MBD1
Alternative Name:	MBD1 (MBD1 Products)
Background:	DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 comprise a family of nuclear proteins related by the presence in each of a methyl-CpG binding domain (MBD). Each of these proteins, with the exception of MBD3, is capable of binding specifically to

Target Details

methyated DNA. MECP2, MBD1 and MBD2 can also repress transcription from methyated gene promoters. MBD1 has also been predicted to be involved in the development and progression of tumors, and it has been shown that MBD1 is significantly upregulated in pancreatic cancer tissues when compared with surrounding normal tissues. Furthermore, MBD1 may serve as a potential therapeutic target for pancreatic cancer.

Molecular Weight: 80kDa

Gene ID: 4152

UniProt: [Q9UIS9](#)

Application Details

Application Notes: Positive Control: Human tonsil or colon (IHC).
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

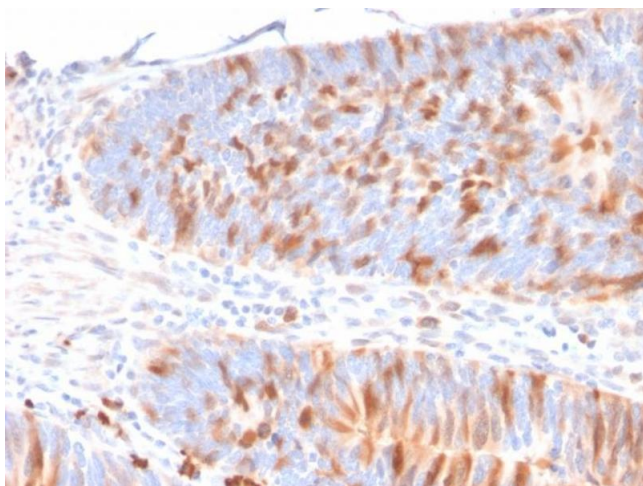
Preservative: Sodium azide

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

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human colon stained with Methyl-CpG Binding Domain Protein 1 Mouse Monoclonal Antibody (CPTC-MBD1-1)