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Datasheet for ABIN6242434  
**anti-MBD2 antibody (AA 10-228)**

2 Images

Overview

Quantity:	200 µL
Target:	MBD2
Binding Specificity:	AA 10-228
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MBD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This MBD2 antibody is generated from a mouse immunized with a recombinant protein between 10-228 amino acids from human MBD2.
Clone:	1812CT625-9-45
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	MBD2
Alternative Name:	MBD2 ( <a href="#">MBD2 Products</a> )
Background:	Binds CpG islands in promoters where the DNA is methylated at position 5 of cytosine within

## Target Details

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CpG dinucleotides. Binds hemimethylated DNA as well. Recruits histone deacetylases and DNA methyltransferases. Acts as transcriptional repressor and plays a role in gene silencing. Functions as a scaffold protein, targeting GATAD2A and GATAD2B to chromatin to promote repression. May enhance the activation of some unmethylated cAMP-responsive promoters.

Molecular Weight: 43255

UniProt: [Q9UBB5](#)

Pathways: [Chromatin Binding](#)

## Application Details

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Application Notes: WB: 1:2000. IHC-P: 1:25

Restrictions: For Research Use only

## Handling

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Format: Liquid

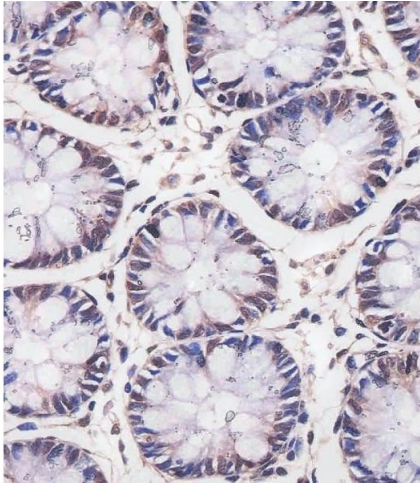
Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

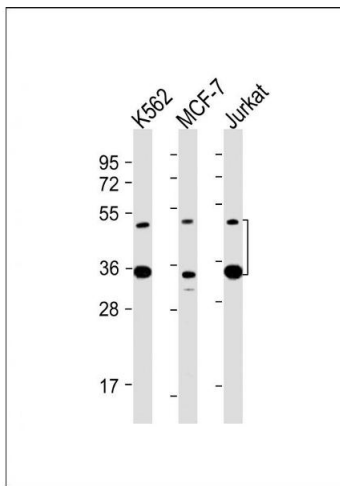
Storage: 4 °C,-20 °C

Expiry Date: 6 months



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** (ABIN6242434 and ABIN6577257) staining MBD2 in human colon tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



### Western Blotting

**Image 2.** All lanes : Anti-MBD2 Antibody at 1:2000 dilution  
 Lane 1: K562 whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.