

Datasheet for ABIN387915  
**anti-MBD2 antibody (AA 120-151, AA 120-152)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	MBD2
Binding Specificity:	AA 120-151, AA 120-152
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MBD2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This MBD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 120-151 amino acids of human MBD2.
Clone:	RB3952
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	MBD2
Alternative Name:	MBD2 ( <a href="#">MBD2 Products</a> )
Background:	DNA methylation is the major modification of eukaryotic genomes and plays an essential role in

## Target Details

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 methylated DNA. MECP2, MBD1 and MBD2 can also repress transcription from methylated gene promoters. The protein encoded by this gene may function as a mediator of the biological consequences of the methylation signal. It is also reported that the this protein functions as a demethylase to activate transcription, as DNA methylation causes gene silencing.

Molecular Weight: 43255

Gene ID: 8932

NCBI Accession: [NP\\_003918](#), [NP\\_056647](#)

UniProt: [Q9UBB5](#)

Pathways: [Chromatin Binding](#)

## Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

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

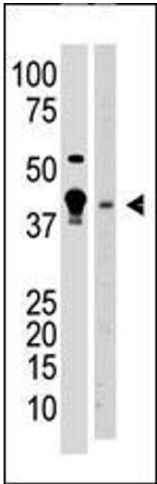
Preservative: Sodium azide

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

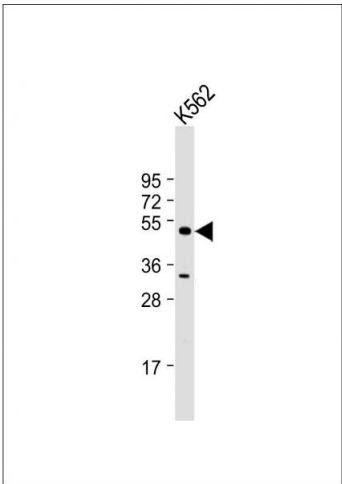
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

**Image 1.** The anti-MBD2 N-term Antibody (ABIN387915 and ABIN2844333) is used in Western blot to detect MBD2 in cell lysate (lane 1) and mouse brain tissue lysate (lane 2) lysate.



Western Blotting

**Image 2.** Anti-MBD2 Antibody at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.