

Datasheet for ABIN1680781
anti-MBD2 antibody (AA 202-411)

2 Images

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Overview

Quantity:	100 µg
Target:	MBD2
Binding Specificity:	AA 202-411
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MBD2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 202-411 of human MBD2 (NP_003918.1).
Sequence:	DLSSFDFTG KMMPSKLQKN KQRLRNDPLN QNKGKPDNT TLPIRQTASI FKQPVTKVTN HPSNKVKSDP QRMNEQPRQL FWEKRLQGLS ASDVTEQIIK TMELPKGLQG VGPGSNDETL LSAVASALHT SSAPITGQVS AAVEKNPAVW LNTSQPLCKA FIVTDEDIRK QEERVQQVRK KLEEALMADI LSRAADTEEM DIEMDSGDEA
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

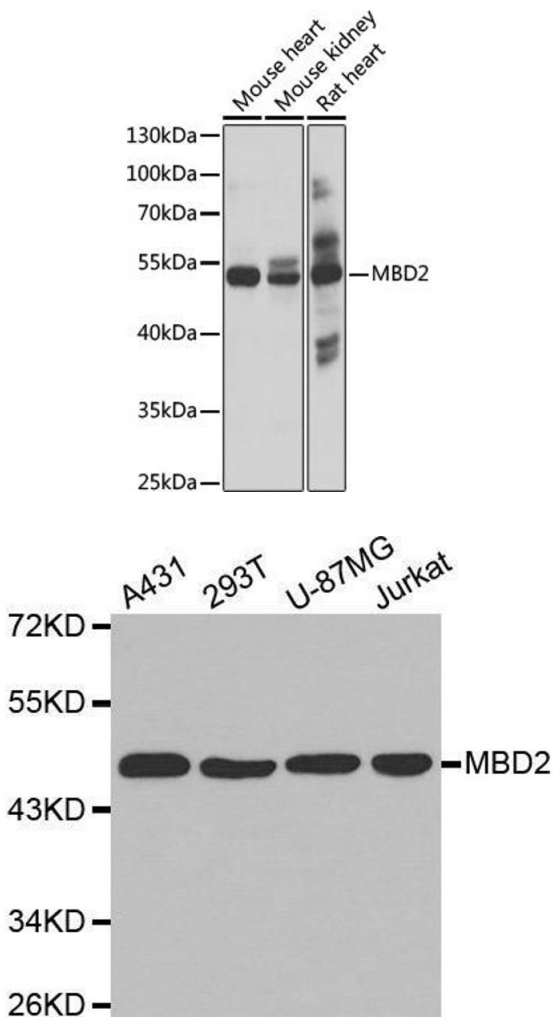
Target:	MBD2
Alternative Name:	MBD2 (MBD2 Products)
Background:	<p>DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 comprise a family of nuclear proteins related by the presence in each of a methyl-CpG binding domain (MBD). Each of these proteins, with the exception of MBD3, is capable of binding specifically to 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. Two transcript variants encoding different isoforms have been found for this gene.,MBD2,DMTase,NY-CO-41,Epigenetics & Nuclear Signaling,MBD2</p>
Molecular Weight:	31 kDa/43 kDa
Gene ID:	8932
UniProt:	Q9UBB5
Pathways:	Chromatin Binding

Application Details

Application Notes:	WB,1:200 - 1:2000
Restrictions:	For Research Use only

Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MBD2 antibody (ABIN1680781, ABIN3015876, ABIN3015877 and ABIN6219461) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MBD2 antibody.