

**MBD2 Rabbit mAb**  
Catalog # AP75695**Specification**

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**MBD2 Rabbit mAb - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q9UBB5</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	43255

**MBD2 Rabbit mAb - Additional Information**

Gene ID 8932

**Other Names**

MBD2

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

IF~~1/50-1/200

**Format**

Liquid

**MBD2 Rabbit mAb - Protein Information**Name MBD2 ([HGNC:6917](#))**Function**

Binds CpG islands in promoters where the DNA is methylated at position 5 of cytosine within CpG dinucleotides (PubMed:[9774669](http://www.uniprot.org/citations/9774669)). Binds hemimethylated DNA as well (PubMed:[10947852](http://www.uniprot.org/citations/10947852), PubMed:[24307175](http://www.uniprot.org/citations/24307175)). Recruits histone deacetylases and DNA methyltransferases to chromatin (PubMed:[10471499](http://www.uniprot.org/citations/10471499), PubMed:[10947852](http://www.uniprot.org/citations/10947852)). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:[16428440](http://www.uniprot.org/citations/16428440), PubMed:[28977666](http://www.uniprot.org/citations/28977666)). Acts as a transcriptional repressor and plays a role in gene silencing (PubMed:[10471499](http://www.uniprot.org/citations/10471499), PubMed:[10947852](http://www.uniprot.org/citations/10947852), PubMed:[16415179](http://www.uniprot.org/citations/16415179)). Functions as a scaffold protein, targeting GATAD2A and

GATAD2B to chromatin to promote repression (PubMed:<a href="http://www.uniprot.org/citations/16415179" target="\_blank">16415179</a>). May enhance the activation of some unmethylated cAMP-responsive promoters (PubMed:<a href="http://www.uniprot.org/citations/12665568" target="\_blank">12665568</a>).

#### Cellular Location

Nucleus. Chromosome Note=Nuclear, in discrete foci (PubMed:12183469). Detected at replication foci in late S phase. Localizes to methylated chromatin (PubMed:16428440). Localizes to sites of DNA damage in a manner partially dependent on ZMYND8 (PubMed:27732854)

#### Tissue Location

Highly expressed in brain, heart, kidney, stomach, testis and placenta.

### MBD2 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### MBD2 Rabbit mAb - Images



