

MBD2, polyclonal antibody - Pioneer

Purified rabbit polyclonal Antibody Catalog # ADN10289

# **Specification**

MBD2, polyclonal antibody - Pioneer - Product Information

Application	WB
Primary Accession	<u>Q9UBB5</u>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43255

MBD2, polyclonal antibody - Pioneer - Additional Information

Gene ID 8932

# **Other Names**

Methyl-CpG-binding domain protein 2, Demethylase, DMTase, Methyl-CpG-binding protein MBD2, MBD2

Target/Specificity MBD2,

#### **Precautions**

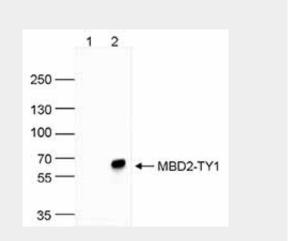
MBD2, polyclonal antibody - Pioneer is for research use only and not for use in diagnostic or therapeutic procedures.

MBD2, polyclonal antibody - Pioneer - 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. 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.



Whole cell extracts (40 µg) from HeLa cells, transfected with a TY1-tagged MBD2 (lane 2) or an untransfected negative control (lane 1) were analysed by western blot using the Diagenode antibody against MBD2 (Cat. No. 15410312) diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. The position of the TY1-tagged MBD2 protein is indicated on the right; the marker (in kDa) is shown on the left.



**Cellular Location** Nucleus. Note=Nuclear, in discrete foci. Detected at replication foci in late S phase

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

# MBD2, polyclonal antibody - Pioneer -Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>