

## Datasheet for ABIN7116241 **anti-MBD2 antibody**



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### Overview

|              |                                     |
|--------------|-------------------------------------|
| Quantity:    | 100 µg                              |
| Target:      | MBD2                                |
| Reactivity:  | Human, Rat                          |
| Host:        | Rabbit                              |
| Clonality:   | Polyclonal                          |
| Conjugate:   | This MBD2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA        |

### Product Details

|               |                                     |
|---------------|-------------------------------------|
| Immunogen:    | methyl-CpG binding domain protein 2 |
| Isotype:      | IgG                                 |
| Purification: | Immunogen affinity purified         |
| Purity:       | ≥95 % as determined by SDS-PAGE     |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | MBD2                                                                                                                                                                                                                                                                                                                                                                     |
| Alternative Name: | MBD2 ( <a href="#">MBD2 Products</a> )                                                                                                                                                                                                                                                                                                                                   |
| Background:       | Synonyms: Background: 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 |

## Target Details

|                   |                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------|
|                   | chromatin to promote repression. May enhance the activation of some unmethylated cAMP-responsive promoters. |
| Molecular Weight: | 43-45 kDa                                                                                                   |
| Gene ID:          | 8932                                                                                                        |
| UniProt:          | <a href="#">Q9UBB5</a>                                                                                      |
| Pathways:         | <a href="#">Chromatin Binding</a>                                                                           |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB: 1:500-1:2000      |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | PBS with 0.02 % sodium azide and 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:   | -20°C for 12 months (Avoid repeated freeze / thaw cycles.)                                                             |
| Expiry Date:       | 12 months                                                                                                              |