

## Recombinant SUV39H2 Monoclonal Antibody

catalog number: **AN301817L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

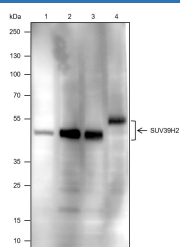
### Description

|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Rat;Mouse                                                 |
| <b>Immunogen</b>    | Recombinant human SUV39H2 fragment                              |
| <b>Host</b>         | Rabbit                                                          |
| <b>Isotype</b>      | IgG, $\kappa$                                                   |
| <b>Clone</b>        | A529                                                            |
| <b>Purification</b> | Protein A purified                                              |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications Recommended Dilution

|            |              |
|------------|--------------|
| <b>WB</b>  | 1:500-1:1000 |
| <b>IHC</b> | 1:50-1:100   |

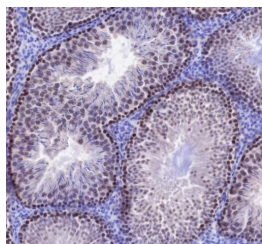
### Data



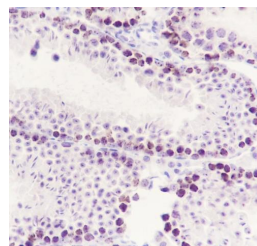
Western Blot with SUV39H2 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: HEK-293T, Lane 3: MOLT-4, Lane 4: NIH/3T3

**Observed-MW: 47, 50 kDa**

**Calculated-MW: 47 kDa**



Immunohistochemistry of paraffin-embedded Rat testis using SUV39H2 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Mouse testis using SUV39H2 Monoclonal Antibody at dilution of 1:50.

### Preparation & Storage

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag                                                         |

### Background

### For Research Use Only

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Rev. V1.1

SUV39H2, also known as KMT1B, is a member of the SUV39 subfamily of lysine methyltransferases (KMTs) that plays a significant role in histone H3-K9 di-/Trimethylation, transcriptional regulation and cell cycle. Overexpressions of SUV39H2 at gene, mRNA and protein levels are known to be associated with a range of cancers: leukemia, lymphomas, lung cancer, breast cancer, colorectal cancer, gastric cancer, hepatocellular cancer and so on. Accumulating evidence indicates that SUV39H2 acts as an oncogene and contributes to the initiation and progression of cancers.