

A Reliable Research Partner in Life Science and Medicine

## **Recombinant DNMT1 Monoclonal Antibody**

catalog number: AN301728L

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

#### **Description**

Reactivity Human;

Immunogen Recombinant human Dnmt1 fragment

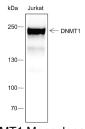
Host Rabbit Isotype lgG, κ Clone A436

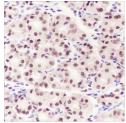
**Purification** Protein Apurified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

#### **Applications Recommended Dilution** 1:500-1:1000 **WB** 1:200-1:1000 **IHC** 1:50 IF 1:25-1:50 ΙP

#### Data

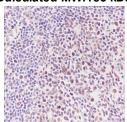




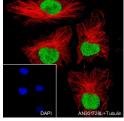
Western Blot with DNMT1 Monoclonal Antibody at dilution of

1:1000. Lane 1: Jurkat Observed-MW:200 kDa

Calculated-MW:183 kDa



Immunohistochemistry of paraffin-embedded Human stomach using DNMT1 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human tonsil Immunofluorescent analysis of (100% methanol) fixed HeLa using DNMT1 Monoclonal Antibody at dilution of 1:1000.

cells using anti-DNMT1 Monoclonal Antibody at dilution of 1:50.

Rev. V1.0



## For Research Use Only

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com

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### **Elabscience Bionovation Inc.**

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Immunoprecipitation analysis using anti-DNMT1 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using DNMT1 Monoclonal Antibody at a dilution of 1:50. Lane 1: 10% Input, Lane 2: DNMT1 Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG Isotype

Observed-MW:200 kDa Calculated-MW:183 kDa

#### **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

### **Background**

Dnmt1 is an enzyme that transfers methyl groups to cytosine nucleotides of genomic DNA. This protein is the major enzyme responsible for maintaining methylation patterns following DNA replication and shows a preference for hemimethylated DNA. Methylation of DNA is an important component of mammalian epigenetic gene regulation. Aberrant methylation patterns are found in human tumors and associated with developmental abnormalities.

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