# (KO Validated) DNMT1 Polyclonal Antibody

**catalog number:** **E-AB-60994**

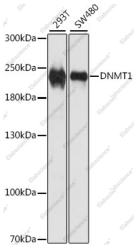
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Recombinant fusion protein of human DNMT1 (NP_001370.1). |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Purification** | Affinity purification |
| **Buffer** | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:2000 |
| **IF** | 1:50-1:200 |

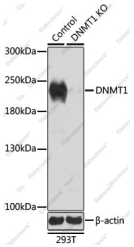
## Data




Western blot analysis of extracts of various cell lines using DNMT1 Polyclonal Antibody at dilution of 1:1000.

**Observed-MW:200 kDa**

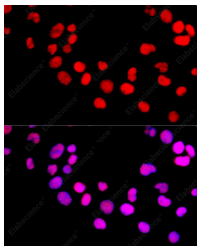
**Calculated-MW:144 kDa/183 kDa/184 kDa**




Western blot analysis of extracts from normal (control) and DNMT1 knockout (KO) 293T cells using DNMT1 Polyclonal Antibody at dilution of 1:1000.

**Observed-MW:200 kDa**

**Calculated-MW:144 kDa/183 kDa/184 kDa**



Immunofluorescence analysis of 293T cells using DNMT1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## Background

This gene encodes 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 hemi-methylated 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. Variation in this gene has been associated with cerebellar ataxia, deafness, and narcolepsy, and neuropathy, hereditary sensory, type IE. Alternative splicing results in multiple transcript variants.


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