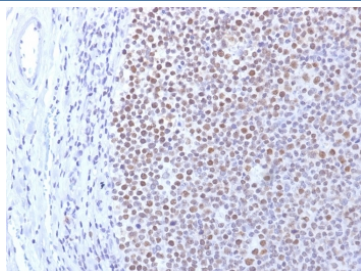


## DNMT1 Antibody [clone DNMT1/2061] (V7716)

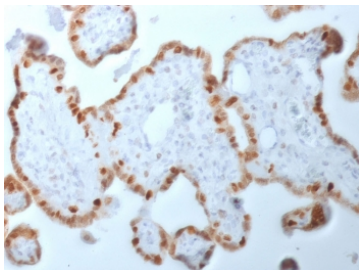
| Catalog No.    | Formulation                                                                | Size   |
|----------------|----------------------------------------------------------------------------|--------|
| V7716-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7716-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug  |
| V7716SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                             | 100 ug |

[Bulk quote request](#)

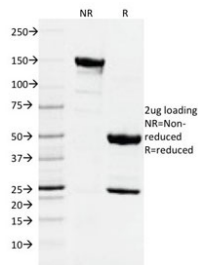
|                    |                                                         |
|--------------------|---------------------------------------------------------|
| Availability       | 1-3 business days                                       |
| Species Reactivity | Human                                                   |
| Format             | Purified                                                |
| Host               | Mouse                                                   |
| Clonality          | Monoclonal (mouse origin)                               |
| Isotype            | Mouse IgG2b, kappa                                      |
| Clone Name         | DNMT1/2061                                              |
| Purity             | Protein G affinity chromatography                       |
| UniProt            | P26358                                                  |
| Localization       | Nuclear                                                 |
| Applications       | Immunohistochemistry (FFPE) : 1-2ug/ml                  |
| Limitations        | This DNMT1 antibody is available for research use only. |



IHC staining of FFPE human tonsil with DNMT1 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



IHC staining of FFPE human placenta with DNMT1 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free DNMT1 antibody as confirmation of integrity and purity.

## Description

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.

## Application Notes

Optimal dilution of the DNMT1 antibody should be determined by the researcher.

## Immunogen

Amino acids 767-912 from the human protein was used as the immunogen for the DNMT1 antibody.

## Storage

Store the DNMT1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).