

Datasheet for ABIN6939246
anti-DNMT1 antibody (AA 767-912)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	DNMT1
Binding Specificity:	AA 767-912
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunohistochemistry (IHC), Immunostaining (Ist), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human DNMT1 protein fragment (around aa 767-912) (exact sequence is proprietary)
Clone:	DNMT1-2061
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	DNMT1
Alternative Name:	DNMT1 (DNMT1 Products)
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

Target Details

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.

Molecular Weight: 184kDa

Gene ID: 1786

UniProt: [P26358](#)

Pathways: [SARS-CoV-2 Protein Interactome](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

Application Details

Application Notes: Positive Control: Raji cells. Tonsil or Placenta.
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

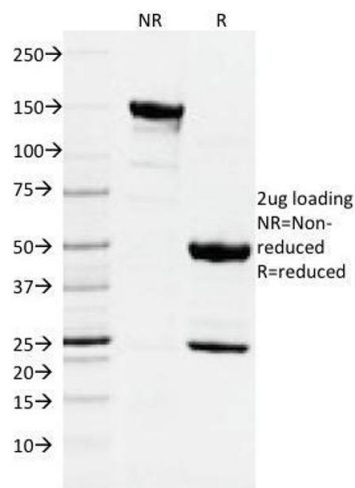
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

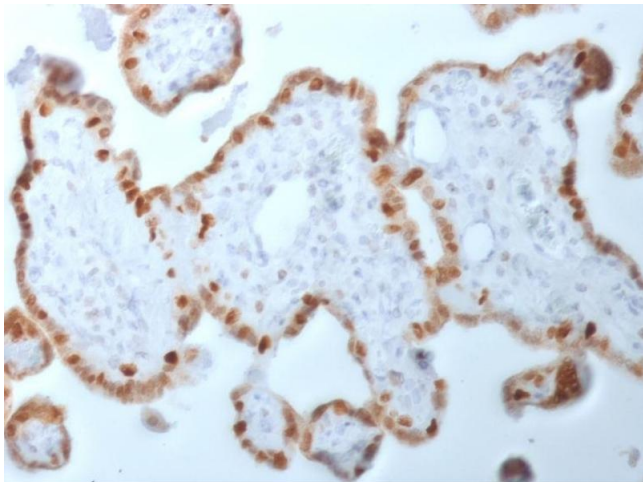
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



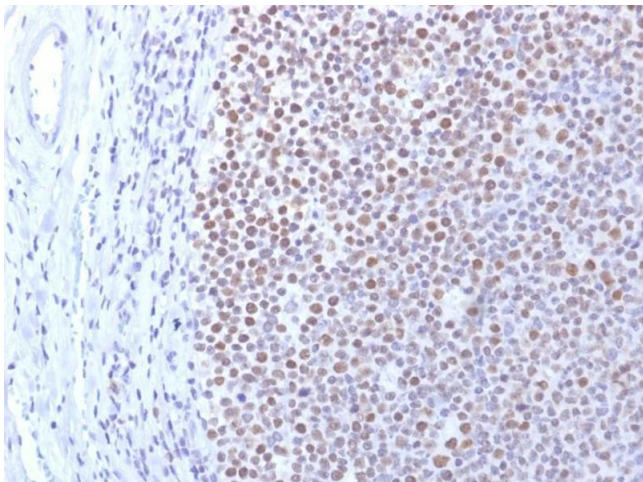
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified DNMT1 Mouse Monoclonal Antibody (DNMT1/2061). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Placenta stained with DNMT1 Mouse Monoclonal Antibody (DNMT1/2061).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with DNMT1 Mouse Monoclonal Antibody (DNMT1/2061).