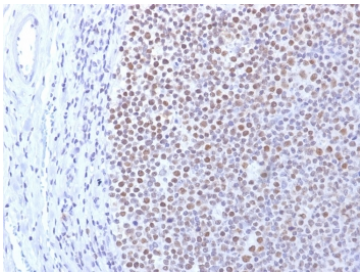
DNMT1 Antibody [clone DNMT1/2061] (V7716)

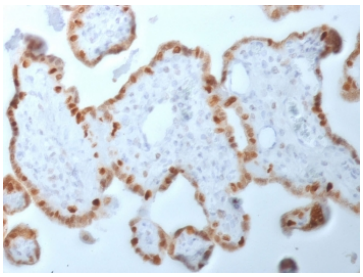
Catalog No.	Formulation	Size
V7716-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7716-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7716SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

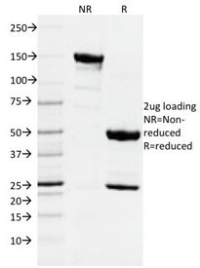
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	DNMT1/2061
Purity	Protein G affinity chromatography
UniProt	P26358
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations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



DNMT1 Antibody Human Tonsil IHC. Immunohistochemistry 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.



DNMT1 Antibody Human Placenta IHC. Immunohistochemistry 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.

This antibody can be compared with our DNMT1 Antibody for consistent detection of DNMT1 across DNA methylation and epigenetic regulation studies.

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 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).