

Rabbit Anti-DNMT1 [EP269]: RM0288

Intended Use: For Research Use Only

Description: DNMT1 is one of three families of enzymes (DNMT1, DNMT2 and DNMT3) that play a role in the establishment and regulation of tissue-specific patterns of methylated cytosine residues. Abnormal methylation patterns are associated with certain human tumors and developmental abnormalities. DNMT1 is responsible for maintenance of the DNA methylation pattern after DNA replication. DNMT1 is the major methyltransferase responsible for methylating DNA. It is widely expressed in normal tissue and increased expression has been observed in many types of cancers. Overexpression of DNMT1 has been associated with early cancer development and cancer progression.

Specifications:

Clone: EP269
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Nucleus, cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and $\leq 0.09\%$ sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
DNMT1 Concentrated	RM0288	1 ml

IHC Procedure*:

Positive Control Tissue: HCC, tonsil
Concentrated Dilution: 50-200
Pretreatment: EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.