

Product Name: Dnmt1 Rabbit Monoclonal Antibody**Catalog #: AMRe01919**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB, ICC/IF, IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.3mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000, ICC/IF 1:50-1:200, IP 1:20-1:50
Molecular Weight	Calculated MW: 183 kDa; Observed MW: 183 kDa

Antigen Information

Gene Name	DNMT1
Alternative Names	ADCADN; CXXC finger protein 9; CXXC9; DNA methyltransferase 1; DNA MTase; Dnmt1o; HSN1E; M.HsaI; MCMT; Met1; MommeD2
Gene ID	1786
SwissProt ID	P26358
Immunogen	A synthetic peptide of human Dnmt1

Background

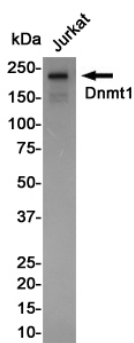
Methylation of DNA at cytosine residues in mammalian cells is a heritable, epigenetic modification that is critical for proper

regulation of gene expression, genomic imprinting and development. It is responsible for maintaining methylation patterns established in development. DNA methylation is coordinated with methylation of histones. Mediates transcriptional repression by direct binding to HDAC2.

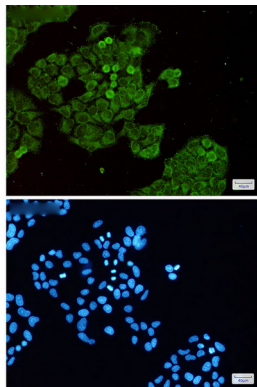
Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of Dnmt1 in Jurkat lysates using Dnmt1 antibody.



Immunocytochemistry analysis of Dnmt1(green) in HeLa using Dnmt1 antibody, and DAPI(blue)