DNMT1 Polyclonal Antibody

catalog number: E-AB-93288

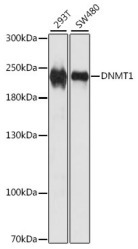
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant fusion protein of human DNMT1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IF	1:50-1:200
IP	1:50-1:200

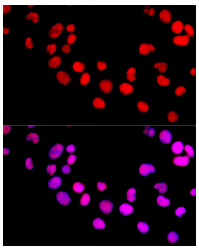
Data



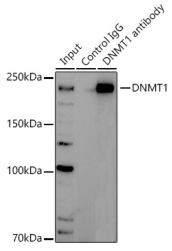
Western blot analysis of extracts of various cell lines using DNMT1 Polyclonal Antibody at 1:1000 dilution.

Observed-MW:Refer to figures

Calculated-MW:144 kDa/183 kDa/184 kDa



Immunofluorescence analysis of 293T cells using DNMT1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300ug extracts of Jurkat cells using 3ug DNMT1 Polyclonal Antibody. Western blot was performed from the immunoprecipitate using DNMT1 at a dilution of 1:1000.

Observed-MW:Refer to figures

Calculated-MW:144 kDa/183 kDa/184 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

For Research Use Only

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. Alternative splicing results in multiple transcript variants.

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