

## DNMT3A antibody

Catalog No: #38611

Package Size: #38611-1 50ul #38611-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

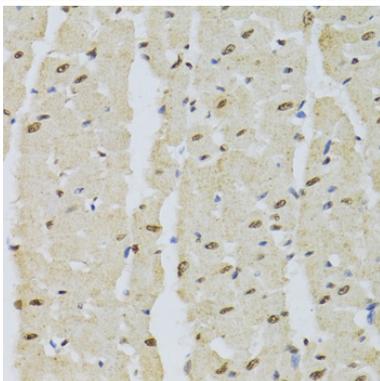
## Description

Product Name	DNMT3A antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total DNMT3A protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human DNMT3A.
Target Name	DNMT3A
Other Names	DNMT3A2; M.HsaIIIA;
Accession No.	Swiss-Prot#: Q9Y6K1NCBI Gene ID: 1788
Uniprot	Q9Y6K1
GeneID	1788;
SDS-PAGE MW	78kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

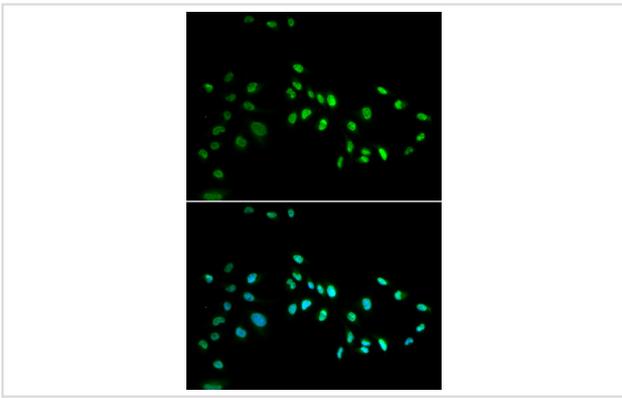
## Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

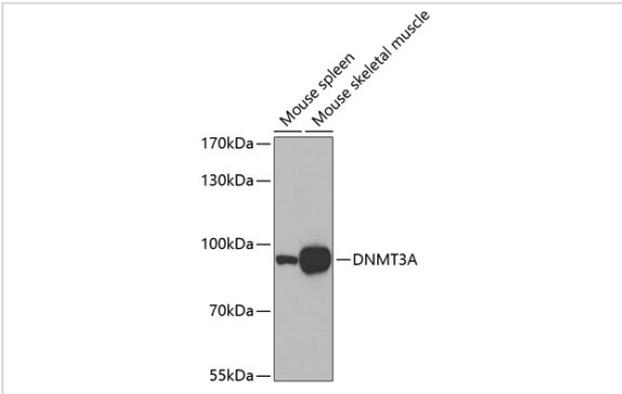
## Images



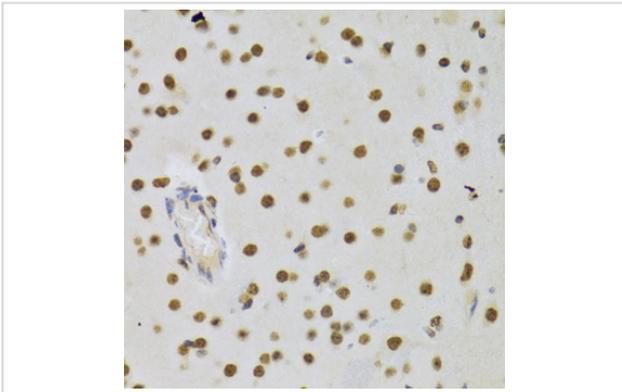
Immunohistochemistry of paraffin-embedded mouse heart using DNMT3A at dilution of 1:100 (40x lens).



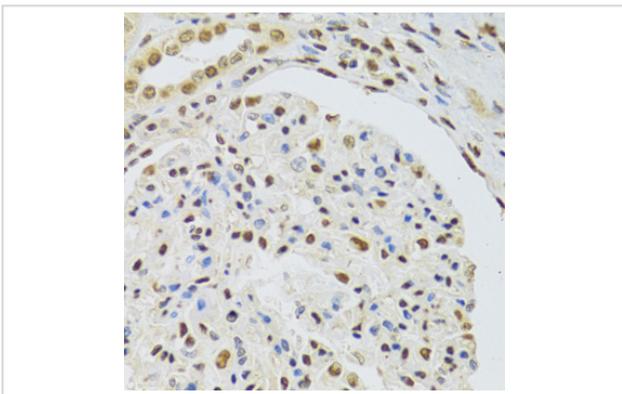
Immunofluorescence analysis of A549 cells using DNMT3A .



Western blot analysis of extracts of various cell lines, using DNMT3A .



Immunohistochemistry of paraffin-embedded rat brain using DNMT3A at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human kidney using DNMT3A at dilution of 1:100 (40x lens).

## Background

CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated. Alternative splicing results in multiple transcript variants encoding different isoforms.

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Note: This product is for in vitro research use only