

Datasheet for ABIN6139755
anti-DNMT3L antibody (AA 151-386)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	DNMT3L (TRDMT1)
Binding Specificity:	AA 151-386
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNMT3L antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 151-386 of human DNMT3L (NP_787063.1).
Sequence:	SGLLQRRRKW RSQLKAFYDR ESENPLEMFE TVPVWRRQPV RVLSLFEDIK KELTSLGFLE SGSDPGQLKH VVDVTDTVRK DVEEWGPFDL VYGATPPLGH TCDRPPSWYL FQFHRLLQYA RPKPGSPRPF FWMFVDNLVL NKEDLDVASR FLEMEPV TIP DVHGGSLQNA VRVWSNIPAI RSRHWALVSE EELSLLAQNK QSSKLAAKWP TKLVKNCFLP LREYFKYFST ELTSSL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

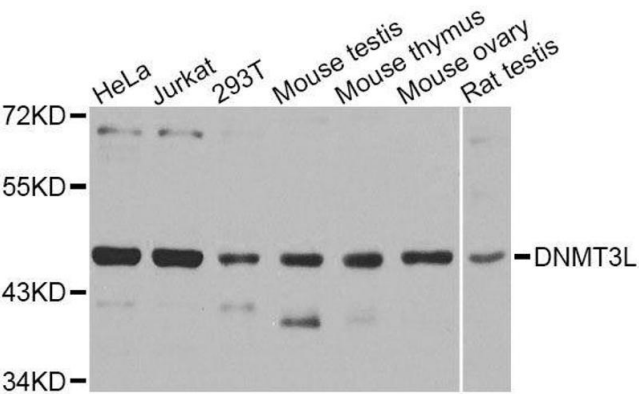
Target:	DNMT3L (TRDMT1)
Alternative Name:	DNMT3L (TRDMT1 Products)
Background:	CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a nuclear protein with similarity to DNA methyltransferases, but is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, it does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and is thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,DNMT3L,Epigenetics & Nuclear Signaling,DNMT3L
Molecular Weight:	43 kDa
Gene ID:	29947
UniProt:	Q9UJW3

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using DNMT3L antibody.