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## Datasheet for ABIN387865 anti-DNMT3A antibody (C-Term)

1 Image

2 Publications



## Overview

Quantity:	400 µL
Target:	DNMT3A
Binding Specificity:	AA 723-752, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNMT3A antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This Dnmt3A/Dnmt3A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 723-752 amino acids from the C-terminal region of human Dnmt3A/Dnmt3A2.
Clone:	RB12504
lsotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:

### DNMT3A

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Target Details	
Alternative Name:	Dnmt3A/Dnmt3A2 (DNMT3A 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. DNMT3A is 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.
Molecular Weight:	101858
Gene ID:	1788
NCBI Accession:	NP_072046, NP_715640, NP_783328, NP_783329
UniProt:	Q9Y6K1
Application Details	
Application Notes:	WB: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Publications	
Product cited in:	Yang, Zhao, Mei, Jiang, Geng, Li, Yao, Liu, Kong, Cao: "HMGA2 plays an important role in Cr (VI)- induced autophagy." in: <b>International journal of cancer</b> , Vol. 141, Issue 5, pp. 986-997, (2017) ( PubMed).

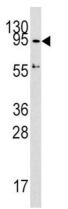
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN387865 | 09/12/2023 | Copyright antibodies-online. All rights reserved. Chen, Cao, Zhou, Liu, Che, Mizumura, Li, Choi, Shen: "Interaction of caveolin-1 with ATG12-ATG5 system suppresses autophagy in lung epithelial cells." in: **American journal of physiology. Lung** cellular and molecular physiology, Vol. 306, Issue 11, pp. L1016-25, (2014) (PubMed).

Sanchez, Penfornis, Oskowitz, Boonjindasup, Cai, Dhule, Rowan, Kelekar, Krause, Pochampally: " Activation of autophagy in mesenchymal stem cells provides tumor stromal support." in: **Carcinogenesis**, Vol. 32, Issue 7, pp. 964-72, (2011) (PubMed).

Yee, Wilkinson, James, Ryan, Vousden: "PUMA- and Bax-induced autophagy contributes to apoptosis." in: **Cell death and differentiation**, Vol. 16, Issue 8, pp. 1135-45, (2009) (PubMed).

Harada, Willison, Sakakibara, Miyamoto, Fujita, Taniguchi: "Absence of the type I IFN system in EC cells: transcriptional activator (IRF-1) and repressor (IRF-2) genes are developmentally regulated." in: **Cell**, Vol. 63, Issue 2, pp. 303-12, (1990) (PubMed).

### Images



#### Western Blotting

**Image 1.** Western blot analysis of DNMT3A Antibody (C-term) (ABIN387865 and ABIN2844047) in HepG2 cell line lysates ( $35 \mu g$ /lane). DNMT3A (arrow) was detected using the purified Pab.

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