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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: International journal of cancer , Vol. 141, Issue 5, pp. 986-997, (2017) (PubMed). |

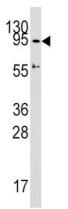
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN387865 | 09/12/2023 | Copyright antibodies-online. 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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