



Datasheet for ABIN387859
anti-Dnmt2 antibody (AA 346-375)



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2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	Dnmt2 (TRDMT1)
Binding Specificity:	AA 346-375
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dnmt2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Dnmt2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 346-375 amino acids from human Dnmt2.
Clone:	RB1850
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Dnmt2 (TRDMT1)
Alternative Name:	Dnmt2 (TRDMT1 Products)

Target Details

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 protein with similarity to DNA methyltransferases, but this protein does not display methyltransferase activity. The protein strongly binds DNA, suggesting that it may mark specific sequences in the genome. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Weight:	44597
Gene ID:	1787
NCBI Accession:	NP_004403
UniProt:	O14717

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
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

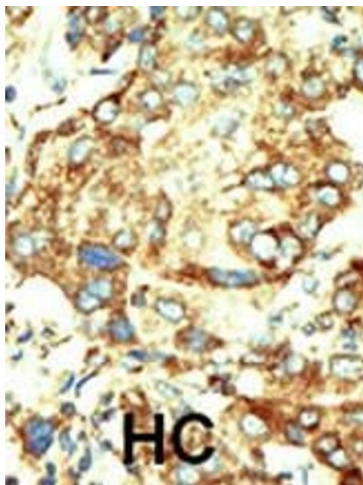
Publications

Product cited in:	Xu, Wang, Chang, Du, Diao, Jiang, Wang, Ma, Zhang: "Mammalian sterile 20-like kinase 1/2 inhibits the Wnt/ β -catenin signalling pathway by directly binding casein kinase 1?" in: The Biochemical journal , Vol. 458, Issue 1, pp. 159-69, (2014) (PubMed).
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Rajyaguru, She, Parker: "Scd6 targets eIF4G to repress translation: RGG motif proteins as a class of eIF4G-binding proteins." in: **Molecular cell**, Vol. 45, Issue 2, pp. 244-54, (2012) ([PubMed](#)).

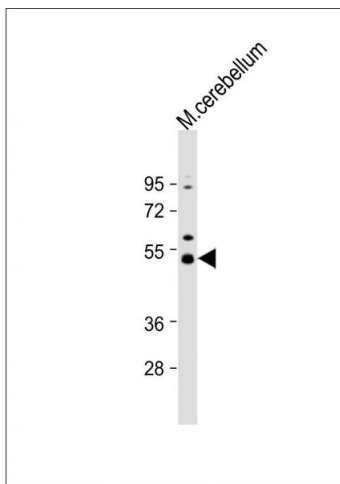
Nissan, Rajyaguru, She, Song, Parker: "Decapping activators in *Saccharomyces cerevisiae* act by multiple mechanisms." in: **Molecular cell**, Vol. 39, Issue 5, pp. 773-83, (2010) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Anti-Dnmt2 Antibody at 1:1000 dilution + mouse cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.