

Datasheet for ABIN387884
anti-DNMT3B antibody (AA 389-417)

3 Images

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Overview

Quantity:	400 µL
Target:	DNMT3B
Binding Specificity:	AA 389-417
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNMT3B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Dnmt3b antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 389-417 amino acids from human Dnmt3b.
Clone:	RB01906
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	DNMT3B
Alternative Name:	Dnmt3b (DNMT3B 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. Dnmt3b is a DNA methyltransferase which is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes primarily to the nucleus and its expression is developmentally regulated. Mutations in this gene cause the immunodeficiency-centromeric instability-facial anomalies (ICF)syndrome.
Molecular Weight:	95751
Gene ID:	1789
NCBI Accession:	NP_001193984 , NP_001193985 , NP_008823 , NP_787044 , NP_787045 , NP_787046
UniProt:	Q9UBC3

Application Details

Application Notes:	WB: 1:2000. WB: 1:2000. IHC-P: 1:10~50
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

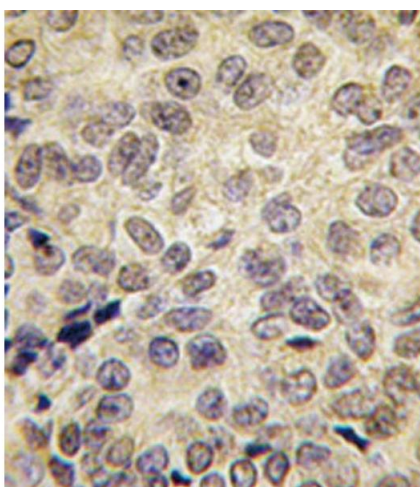
Product cited in:	Wu, Li, Fang, Yi, Chen, Long, Gao, Wei, Chen: "Investigation of synergistic mechanism and identification of interaction site of aldose reductase with the combination of gigantol and syringic acid for prevention of diabetic cataract." in: BMC complementary and alternative
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medicine, Vol. 16, Issue 1, pp. 286, (2017) ([PubMed](#)).

Guo, Wang, Liu, Myatt, Sun: "Induction of PGF2? synthesis by cortisol through GR dependent induction of CBR1 in human amnion fibroblasts." in: **Endocrinology**, Vol. 155, Issue 8, pp. 3017-24, (2014) ([PubMed](#)).

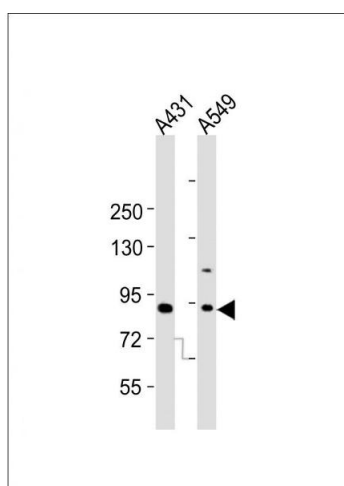
There are more publications referencing this product on: [Product page](#)

Images



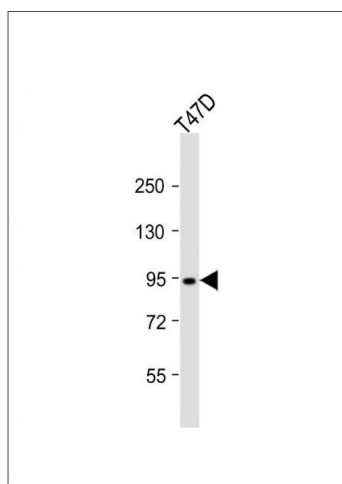
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with Dnmt3b antibody (ABIN387884 and ABIN2844100) , 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.



Western Blotting

Image 2. All lanes : Anti-Dnmt3b Antibody at 1:2000 dilution
Lane 1: A431 whole cell lysates Lane 2: A549 whole cell lysates
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 95 kDa
Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. Anti-Dnmt3b Antibody at 1:2000 dilution + T47D whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 95 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.