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Datasheet for ABIN387881 anti-DNMT3A antibody (AA 457-486)

5 Images

10 Publications



Overview

Quantity:	400 µL
Target:	DNMT3A
Binding Specificity:	AA 457-486
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNMT3A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This Dnmt3a antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 457-486 amino acids from human Dnmt3a.

Clone:	RB01852
Isotype:	Ig Fraction
Predicted Reactivity:	C
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:

DNMT3A

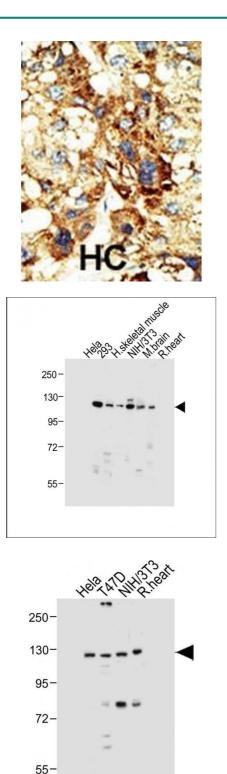
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Target Details	
Alternative Name:	Dnmt3a (DNMT3A Products)
Background:	CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA 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. WB: 1:1000. WB: 1:1000. 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:	Wang, Wang, Liu, Liu, Tay, Walsh, Yang, Wu: "CRISPR/Cas9 mediated genome editing of Helicoverpa armigera with mutations of an ABC transporter gene HaABCA2 confers resistance to Bacillus thuringiensis Cry2A toxins." in: Insect biochemistry and molecular biology , Vol. 87,

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There are more publications referencing this product on: Product page

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. All lanes : Anti-Dnmt3a Antibody at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: 293 whole cell lysate Lane 3: Human skeletal muscle tissue lysate Lane 4: NIH/3T3 whole cell lysate Lane 5: Mouse brain tissue lysate Lane 6: Rat heart tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 102 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Western Blotting

Image 3. All lanes : Anti-Dnmt3a Antibody at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: T47D whole cell lysate Lane 3: NIH/3T3 whole cell lysate Lane 4: Rat heart tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 102 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 5 images are available for ABIN387881.

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