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Datasheet for ABIN7266806
anti-DNMT3A antibody

2 Images

Overview

Quantity:	100 µL
Target:	DNMT3A
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This DNMT3A antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	[KO Validated] DNMT3A Rabbit mAb
Immunogen:	A synthesized peptide derived from human DNMT3A.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification
Grade:	KO Validated

Target Details

Target:	DNMT3A
Alternative Name:	DNMT3A (DNMT3A 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 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. [provided by RefSeq, Mar 2016],DNMT3A,DNMT3A2,M.HsaIIIA,TBRS,DNMT3A,Epigenetic writers and erasers of core Histones,Epigenetic writers and erasers of core Histones_DNA methylation,Epigenetics & Nuclear Signaling,DNMT3A

Molecular Weight: 130kDa

Gene ID: 1788

UniProt: [Q9Y6K1](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IP,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

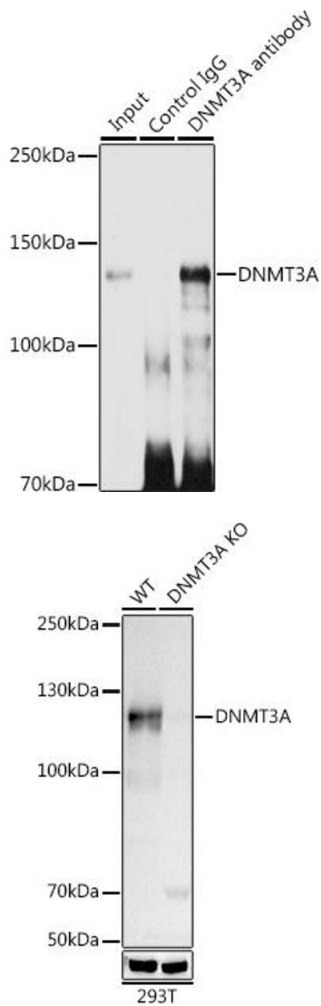
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunoprecipitation

Image 1. Immunoprecipitation analysis of 300 µg extracts of 293T cells using 3 µg DNMT3A antibody (ABIN7266806). Western blot was performed from the immunoprecipitate using DNMT3A antibody (ABIN7266806) at a dilution of 1:1000.

Western Blotting

Image 2. Western blot analysis of extracts from wild type (WT) and [KO Validated] DNMT3A Rabbit mAb knockout (KO) 293T cells, using [KO Validated] DNMT3A Rabbit mAb (ABIN7266806) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.