

## Datasheet for ABIN629611 **anti-PRMT2 antibody (N-Term)**



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### 2 Images

#### Overview

Quantity:	100 µg
Target:	PRMT2
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRMT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Immunogen:	PRMT2 antibody was raised using the N terminal of PRMT2 corresponding to a region with amino acids ESQGEEPAECSEAGLLQEGVQPEEFVAIADYAATDETQLSFLRGEKILIL
Specificity:	PRMT2 antibody was raised against the N terminal of PRMT2
Purification:	Purified

#### Target Details

Target:	PRMT2
Alternative Name:	PRMT2 ( <a href="#">PRMT2 Products</a> )
Background:	The protein arginine methyltransferases (PRMTs) include a family of proteins with related putative methyltransferase domains that modify chromatin and regulate cellular transcription. PRMT2 inhibits NF-kappaB-dependent transcription and promotes apoptosis and it exerts this

## Target Details

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effect by blocking nuclear export of I $\kappa$ B $\alpha$  through a leptomycin-sensitive pathway, increasing nuclear I $\kappa$ B $\alpha$  and decreasing NF- $\kappa$ B DNA binding. PRMT2 also rendered cells susceptible to apoptosis by cytokines or cytotoxic drugs, likely due to its effects on NF- $\kappa$ B.

Molecular Weight: 48 kDa (MW of target protein)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Nuclear Hormone Receptor Binding](#)

## Application Details

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Application Notes: WB: 0.625  $\mu$ g/mL, IHC: 4-8  $\mu$ g/mL  
Optimal conditions should be determined by the investigator.

Comment: PRMT2 Blocking Peptide, catalog no. 33R-2742, is also available for use as a blocking control in assays to test for specificity of this PRMT2 antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of PRMT2 antibody in PBS

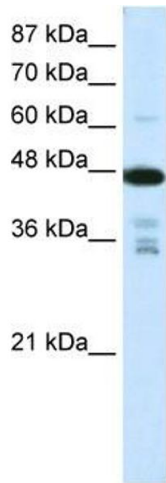
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

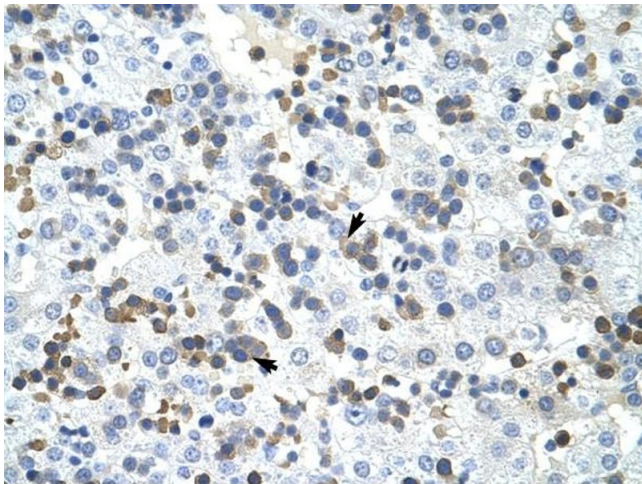
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Western Blotting

**Image 1.** PRMT2 antibody used at 0.625 ug/ml to detect target protein.



### Immunohistochemistry

**Image 2.** PRMT2 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Liver cell (arrows) in Human Liver. Magnification is at 400X