

### PRMT2 antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # Al11698

## **Specification**

### PRMT2 antibody - N-terminal region - Product Information

Application IHC, WB Primary Accession P55345

Other Accession NM\_001535, NP\_001526

Reactivity Human, Mouse, Rat, Rabbit, Pig, Horse,

Bovine, Dog

Predicted Human, Mouse, Rat, Horse, Bovine, Dog

Host Rabbit
Clonality Polyclonal
Calculated MW 48kDa KDa

### PRMT2 antibody - N-terminal region - Additional Information

**Gene ID 3275** 

Alias Symbol HRMT1L1

**Other Names** 

Protein arginine N-methyltransferase 2, 2.1.1.-, Histone-arginine N-methyltransferase PRMT2, 2.1.1.125, PRMT2, HMT1, HRMT1L1

#### **Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

### **Reconstitution & Storage**

Add 100 ul of distilled water. Final anti-PRMT2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

#### **Precautions**

PRMT2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## PRMT2 antibody - N-terminal region - Protein Information

### Name PRMT2

Synonyms HMT1, HRMT1L1

### **Function**

Arginine methyltransferase that methylates the guanidino nitrogens of arginyl residues in proteins such as STAT3, FBL, histone H4. Acts as a coactivator (with NCOA2) of the androgen receptor (AR)-mediated transactivation. Acts as a coactivator (with estrogen) of estrogen receptor (ER)-mediated transactivation. Enhances PGR, PPARG, RARA-mediated transactivation. May inhibit NF-kappa-B transcription and promote apoptosis. Represses E2F1 transcriptional activity (in a RB1- dependent





manner). May be involved in growth regulation.

#### **Cellular Location**

[Isoform 1]: Cytoplasm. Nucleus. Note=Translocates from the cytoplasm to the nucleus, after hormone exposure. Excluded from nucleolus [Isoform PRMT2Beta]: Cytoplasm. Nucleus, nucleolus [Isoform PRMT2L2]: Cytoplasm. Nucleus Note=Predominantly cytoplasmic

### **Tissue Location**

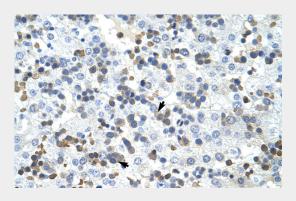
Widely expressed. Highly expressed in androgen target organs such as heart, prostate, skeletal muscle, ovary and spinal cord.

## PRMT2 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# PRMT2 antibody - N-terminal region - Images



Rabbit Anti-PRMT2 Antibody

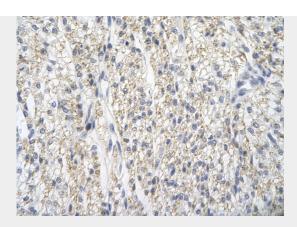
Paraffin Embedded Tissue: Human Liver

Cellular Data: Liver cells

Antibody Concentration: 4.0-8.0 µg/ml

Magnification: 400X

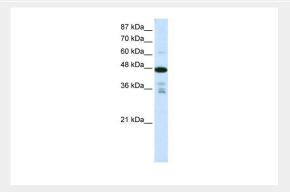




Rabbit Anti-PRMT2 Antibody

Paraffin Embedded Tissue: Human cardiac cell Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 µg/ml

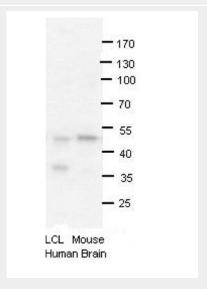
Magnification: 400X



WB Suggested Anti-PRMT2 Antibody Titration: 0.625µg/ml

ELISA Titer: 1:1562500

Positive Control: Jurkat cell lysate



PRMT2 antibody - N-terminal region (Al11698) validated by WB using human LCL and mouse brains at 1:1000.