SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

# Rabbit Anti-PRMT2/AF350 Conjugated antibody

SL8695R-AF350

| | |
|---|---|
| **Product Name** | Anti-PRMT2/AF350 |
| **Chinese Name** | AF350 标记的蛋白精氨酸甲基转移酶 2 抗体 |
| **Alias** | ANM2_HUMAN; EC 2.1.1.; histone arginine N methyltransferase PRMT2; Histone-arginine N-methyltransferase PRMT2; HMT 1; HMT1 (hnRNP methyltransferase S. cerevisiae) like 1; HMT1; HMT1 hnRNP methyltransferase like 1; hnRNP methyltransferase (S. cerevisiae) like 1; hnRNP methyltransferase like 1; Hrmt1l1; MGC111373; PRMT 2; PRMT2 alpha; prmt2; PRMT2 beta; PRMT2 gamma; PRMT2 protein; PRMT2L2; Protein arginine methyltransferase 2; Protein arginine N methyltransferase 2; Protein arginine N-methyltransferase 2; Zf2. |
| **Research Area** | |
| **Immunogen Species** | Rabbit |
| **Clonality** | Polyclonal |
| **React Species** | Mouse(predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep) |
| **Applications** | IF=1:100-500<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight** | 49kDa |
| **Form** | Lyophilized or Liquid |
| **Concentration** | 1mg/ml |
| **immunogen** | KLH conjugated synthetic peptide derived from human PRMT2 |
| **Lsotype** | IgG |
| **Purification** | affinity purified by Protein A |
| **Storage Buffer** | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

**Product Detail**

**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.

**Subunit:**
Self-associates. Interacts with RB1 and E2F1 (By similarity). Interacts with NCOA6 coactivator. Interacts (via SH3 domain) with PRMT8. Interacts with AR. Interacts with NFKBIA.Interacts with ESR1, ESR2, PGR, PPARG, RARA, RXRA and THRB.Interacts with HNRNPUL1.

**Subcellular Location:**
Cytoplasm. Nucleus. Translocates from the cytoplasm to the nucleus, after hormone exposure.

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

**Similarity:**
Belongs to the protein arginine N-methyltransferase family.
Contains 1 SH3 domain.

**Database links:**

Entrez Gene: 3275 Human

Entrez Gene: 15468 Mouse

Entrez Gene: 499420 Rat

Omim: 601961 Human

SwissProt: P55345 Human

SwissProt: Q9R144 Mouse

Unigene: 154163 Human

Unigene: 32020 Mouse

Unigene: 145566 Rat

**Important Note:**
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.