SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-PRMT2/Biotin Conjugated antibody

Catalog Number: SL8695R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-PRMT2/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human PRMT2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Background:	**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.

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

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	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.