

## Rabbit anti-Human PRMT5 Polyclonal Antibody | anti-PRMT5 antibody

PRMT5 Antibody

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA302478</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

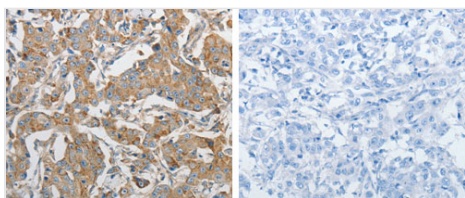
### PRODUCT SYNONYMS

PRMT5; Polyclonal Antibody; PRMT5 Antibody; protein arginine methyltransferase 5; JBP1; SKB1; IBP72; SKB1Hs; HRMT1L5; anti-PRMT5 antibody

### PRODUCT SPECIFICATIONS

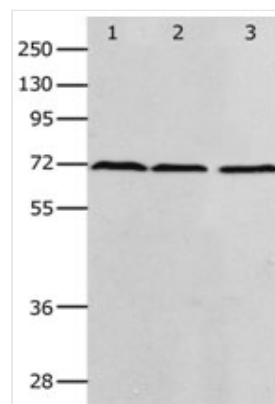
|                                                 |                                                                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                             |
| Reactivity                                      | Human                                                                                                                              |
| Clonality                                       | Polyclonal                                                                                                                         |
| Specificity                                     | The antibody detects endogenous level of total PRMT5 protein.                                                                      |
| Form/Format                                     | Supplied at 0.8mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.            |
| Sequence Length                                 | 620                                                                                                                                |
| Applicable Applications for anti-PRMT5 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                               |
| Immunogen Type                                  | Peptide                                                                                                                            |
| Immunogen Description                           | Synthetic peptide peptide corresponding to a region derived from 622-637 amino acids of human protein arginine methyltransferase 5 |
| Target Name                                     | PRMT5                                                                                                                              |
| Preparation and Storage                         | Store at -20 degree C/1 year                                                                                                       |

### IMAGES



#### IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 31262 (PRMT5 Antibody) at dilution 1/20, on the right is treated with the synthetic peptide.



#### Application Data

Gel: 10% SDS-PAGE Lane1: K562 cell lysate Lane2: Hela cell lysate Lane3: 293T cell lysate  
Lysates: 40ug per lane Primary antibody: 1/400 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/5000 dilution Exposure time: 2 minutes

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PRMT5 antibody | Protein arginine methyltransferase 5 has been shown to interact with WD repeat-containing protein 77, CLNS1A, Janus kinase 2, SNRPD3 and SPT5H. Arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and symmetrical dimethylarginine (sDMA), with a preference for the formation of MMA. Specifically mediates the symmetrical dimethylation of arginine residues in the small nuclear ribonucleoproteins Sm D1 (SNRPD1) and Sm D3 (SNRPD3); such methylation being required for the assembly and biogenesis of snRNP core particles. Methylates SPT5H. Mono- and dimethylates arginine residues of myelin basic protein (MBP) in vitro. Plays a role in the assembly of snRNP core particles. May play a role in cytokine-activated transduction pathways. Negatively regulates cyclin E1 promoter activity and cellular proliferation. |
| Product Categories/Family for anti-PRMT5 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 88900507                                         |
| NCBI GeneID                      | 10419                                            |
| NCBI Accession #                 | NP_001034708                                     |
| NCBI GenBank Nucleotide #        | NM_001039619.2                                   |
| Molecular Weight                 | 66,311 Da                                        |
| NCBI Official Full Name          | protein arginine N-methyltransferase 5 isoform b |
| NCBI Official Synonym Full Names | protein arginine methyltransferase 5             |
| NCBI Official Symbol             | PRMT5                                            |
| NCBI Official Synonym Symbols    | JBP1; SKB1; IBP72; SKB1Hs; HRMT1L5               |
| NCBI Protein Information         | protein arginine N-methyltransferase 5           |
| UniProt Protein Name             | Protein arginine N-methyltransferase 5           |
| UniProt Gene Name                | PRMT5                                            |
| UniProt Synonym Gene Names       | HRMT1L5; IBP72; JBP1; SKB1; SKB1 homolog; SKB1Hs |
| UniProt Entry Name               | ANM5_HUMAN                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prmt5-antibody-immunohistochemistry-western-blot-elisa/302478>