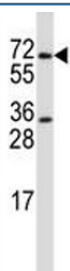


PRMT5 Antibody (F43243)

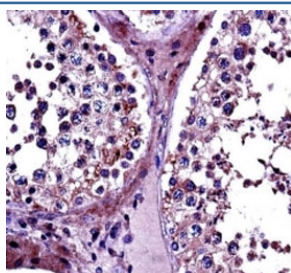
| Catalog No. | Formulation | Size |
|---------------|--|---------|
| F43243-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F43243-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

[Bulk quote request](#)

| | |
|-----------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Predicted Reactivity | Bovine, Primate |
| Format | Antigen affinity purified |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit Ig |
| Purity | Antigen affinity |
| UniProt | O14744 |
| Applications | Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 |
| Limitations | This PRMT5 antibody is available for research use only. |



PRMT5 antibody western blot analysis in HL-60 lysate. Expected molecular weight ~72kDa.



IHC testing of PRMT5 antibody and FFPE human testis tissue.

Description

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 SUPT5H. 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. May regulate the SUPT5H transcriptional elongation properties. May be part of a pathway that is connected to a chloride current, possibly through cytoskeletal rearrangement. Methylates histone H2A and H4 'Arg-3' during germ cell development. Methylates histone H3 'Arg-8', which may repress transcription. Methylates the Piwi proteins (PIWIL1, PIWIL2 and PIWIL4), methylation of Piwi proteins being required for the interaction with Tudor domain-containing proteins and subsequent localization to the meiotic nuage. Methylates RPS10.

Application Notes

Titration of the PRMT5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 76-104 from the human protein was used as the immunogen for this PRMT5 antibody.

Storage

Aliquot the PRMT5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.