

## PRMT3 Antibody (N-term) Blocking peptide

Synthetic peptide  
Catalog # BP1004a

### Specification

#### PRMT3 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O60678](#)  
Peptide ID **4051904**

#### PRMT3 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 10196

#### Other Names

Protein arginine N-methyltransferase 3, 211-, Heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 3, PRMT3, HRMT1L3

#### Target/Specificity

The synthetic peptide sequence is selected from aa 138~154 of human PRMT3.

#### Format

The synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml deionized water for a final concentration of 1 mg/ml.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

#### PRMT3 Antibody (N-term) Blocking peptide - Protein Information

Name PRMT3

Synonyms HRMT1L3

#### Function

Methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues in some proteins.

#### Cellular Location

Cytoplasm.

#### PRMT3 Antibody (N-term) Blocking peptide - Background

Arginine methylation is an irreversible post translational modification which has only recently been linked to protein activity. At least three types of PRMT enzymes have been identified in mammalian cells. These enzymes have been shown to have essential regulatory functions by methylation of key proteins in several fundamental areas. These protein include nuclear proteins, IL enhancer binding factor, nuclear factors, cell cycle proteins, signal transduction proteins, apoptosis proteins, and viral proteins. The mammalian PRMT family currently consists of 7 members that share two large domains of homology. Outside of these domains, epitopes were identified and antibodies against all 7 PRMT members have been developed.

#### PRMT3 Antibody (N-term) Blocking peptide - References

Wada K, et al. Biochim Biophys Acta. 2002. 1591:1. Cimato TR, et al. J Neurosci Res. 2002. 67:435. Frankel A, et al. J Biol Chem. 2002. 277:3537. Brahms H, et al. RNA. 2001. 7:1531. Pelletier M, et al. Mol Biochem Parasitol. 2001. 118:49. Belyanskaya LL, et al. J Biol Chem. 2001. 276:18681. Rho J, et al. J Biol Chem. 2001. 276:11393. Scorilas A, et al. Biochem Biophys Res Commun. 2000. 278:349. Frankel A, et al. J Biol Chem. 2000. 275:32974. Zhang X, et al. EMBO J. 19:3509. Tang J, et al. J Biol Chem. 1998. 273:16935.

## peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)