

Mouse Anti-Canine Protein Arginine Methyltransferase 1 (PRMT1) Monoclonal Antibody

Cat. No.: VD8N133

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL

Product Overview

BioVenic mouse monoclonal antibody is specific for canine protein arginine methyltransferase 1. It can be applied to WB assay of canine protein arginine methyltransferase 1.

Specifications

Application	WB
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G3N97
Host	Mouse
Target Species	Canine
Species Reactivity	Canine
Specificity	Canine Protein Arginine Methyltransferase 1
Isotype	IgG
Immunogen	Purified recombinant canine protein arginine methyltransferase 1 protein fragments
Concentration	1 mg/mL
Conjugation	Unconjugated
Physical State	Liquid

Target Information

Protein arginine methyltransferase 1 (PRMT1) is an enzyme that catalyzes the methylation of arginine residues on proteins, a post-translational modification that plays a significant role in various cellular processes. PRMT1 is involved in gene regulation, signal transduction, and the maintenance of protein stability. As a type I arginine methyltransferase, PRMT1 has the ability to form both monomethyl- and asymmetric dimethyl-arginine residues, which can affect the function of target proteins, including transcription factors and splicing proteins. Its activity contributes to the regulation of gene expression by influencing chromatin structure and the activity of transcription machinery.

Target	Canine Protein Arginine Methyltransferase 1
Target Synonym	PRMT1; HMT2
Gene ID	476411
UniProt ID	A0A8C0LXV1

Shipping and Storage

This product is shipped with ice gel packs. Store at -20°C (up to 12 months) on receipt. Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Herrmann, Frank, *et al.* "Dynamics of human protein arginine methyltransferase 1 (PRMT1) in vivo." *Journal of Biological Chemistry* 280.45 (2005): 38005-38010.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.