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Datasheet for 600-401-AB7

CARM1 Antibody

Overview

Description:	Anti-CARM1 (RABBIT) Antibody - 600-401-AB7
Item No.:	600-401-AB7
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Protein arginine N-methyltransferases, such as CARM1, catalyze the transfer of a methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins to form methylated arginine derivatives and S-adenosyl-L-homocysteine. Protein arginine methylation has been implicated in signal transduction, metabolism of nascent pre-RNA, and transcriptional activation. CARM1 functions as a transcriptional co-activator for various nuclear receptors and NF-kB. It has also been shown to methylate histone H3 arginines, inhibiting the binding of corepressors and protecting chromatin from deacetylation, thereby facilitating transcription.
Synonyms:	CARM1 Antibody, PRMT4, PRMT4, Histone-arginine methyltransferase CARM1, Coactivator-associated arginine methyltransferase 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CARM1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- CARM1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of human CARM1.

Purity/Specificity:	Anti-CARM1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with CARM1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q86X55 • GeneID - 10498 • NCBI - NP_954592

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-CARM1 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 66 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	User Optimized
WB:	1-2 µg/mL

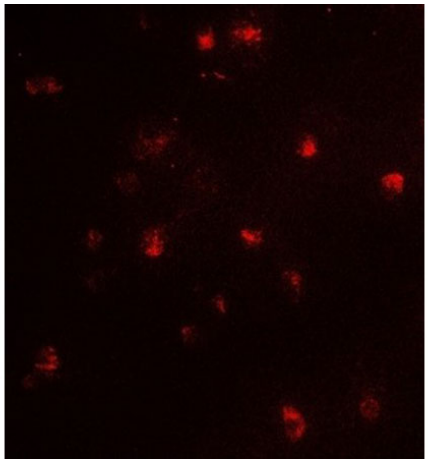
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

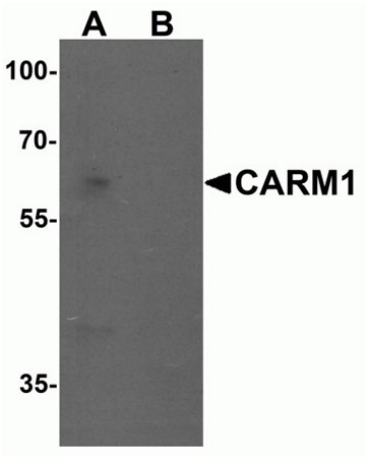
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence of CARM1.
Cell: Jurkat cells.
Primary Antibody: CARM1 antibody at 5 µg/mL.



Western Blot
Western blot analysis of CARM1.
Load: Jurkat cell lysate.
Primary Antibody: CARM1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

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