

Datasheet for ABIN3042568
anti-CARM1 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µg
Target:	CARM1
Binding Specificity:	AA 267-284, Middle Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CARM1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Histone-arginine methyltransferase CARM1(CARM1) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human PRMT4(267-284aa HLAPFTDEQLYMEQFTKA), identical to the related mouse and rat sequences.
Sequence:	HLAPFTDEQL YMEQFTKA
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: mouse</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>
Characteristics:	Rabbit IgG polyclonal antibody for Histone-arginine methyltransferase CARM1(CARM1)

Product Details

	detection. Tested with WB in Human,Mouse,Rat.
	Gene Name: coactivator-associated arginine methyltransferase 1
	Protein Name: Histone-arginine methyltransferase CARM1
Purification:	Immunogen affinity purified.

Target Details

Target:	CARM1
Alternative Name:	CARM1 (CARM1 Products)
Background:	<p>CARM1(coactivator-associated arginine methyltransferase 1), also known as PRMT4, is an enzyme encoded by the CARM1 gene found in human beings, as well as many other mammals. This gene is mapped to 19p13.2. CARM1 is a regulator of cyclin E1 and DHFR mRNA expression. Its main function includes catalyzing 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. CARM1 is a secondary coactivator through its association with p160 family(SRC-1, GRIP1, AIB) of coactivators. It is responsible for moving cells toward the inner cell mass in developing blastocysts. This gene also plays an important role in androgen receptors and may play a role in prostate cancer progression.</p> <p>Synonyms: carm1 antibody Coactivator associated arginine methyltransferase 1 antibody Coactivator-associated arginine methyltransferase 1 antibody Histone arginine methyltransferase CARM 1 antibody Histone arginine methyltransferase CARM1 antibody Histone-arginine methyltransferase CARM1 antibody PRMT 4 antibody PRMT4 antibody Protein arginine methyltransferase antibody Protein arginine N methyltransferase 4 antibody Protein arginine N-methyltransferase 4 antibody</p>
UniProt:	Q86X55
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Regulation of Lipid Metabolism by PPARalpha , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Positive Regulation of fat Cell Differentiation

Application Details

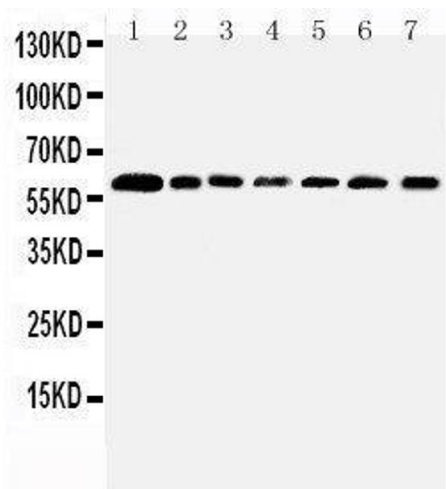
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse
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Application Details

	Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.



Western Blotting

Image 1.