

Rabbit anti-Human, Mouse CARM1 Polyclonal Antibody | anti-CARM1 antibody

Rabbit anti-CARM1 Antibody, Affinity Purified

CATALOG # AAA210942	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

CARM1; Polyclonal Antibody; Rabbit anti-CARM1 Antibody; Affinity Purified; Coactivator-associated arginine methyltransferase 1; histone-arginine methyltransferase CARM1; PRMT4; protein arginine N-methyltransferase 4; Histone-arginine methyltransferase CARM1; coactivator associated arginine methyltransferase 1; anti-CARM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CARM1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat
Immunogen	Between 558 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human CARM1 by western blot. Samples: Whole cell lysate (10 ug) from HEK293T, Jurkat, HeLa, RKO, and MCF-7 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CARM1 antibody (AAA210942 lot 5) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



WB (Western Blot)

Detection of mouse CARM1 by western blot. Samples: Whole cell lysate (10 ug) from BW5147.3, CT26, TCMK-1, 3T3-L1, and CH27 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CARM1 antibody (AAA210942 lot 5) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human CARM1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg per IP; 10% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CARM1 antibody (AAA210942 lot 5) used for IP at 6 ug per reaction. CARM1 was also immunoprecipitated by a previous lot of this antibody (AAA210942 lot 4) and a second antibody against a different epitope of CARM1 (BL1738). For blotting immunoprecipitated CARM1, AAA210942 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-CARM1 antibody	Protein arginine methylation is a form of post-translational modification that is catalyzed by protein arginine methyltransferases (PRMTs). CARM1 (coactivator-associated arginine methyltransferase 1), also known as PRMT4, has been shown to interact with and methylate RNA splicing factors such as CA150 that link transcription to splicing. In this context, CARM1 may be involved in spinal muscular atrophy pathogenesis. CARM1 has also been found to be a coactivator of the NFKappaB transcription factor and the androgen receptor.
Product Categories/Family for anti-CARM1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	40288288
NCBI GeneID	10498
NCBI Accession #	NP_954592.1
NCBI GenBank Nucleotide #	NM_199141.1
UniProt Accession #	Q86X55; A6NN38
Molecular Weight	41,885 Da
NCBI Official Full Name	histone-arginine methyltransferase CARM1
NCBI Official Synonym Full Names	coactivator-associated arginine methyltransferase 1
NCBI Official Symbol	CARM1
NCBI Official Synonym Symbols	PRMT4
NCBI Protein Information	histone-arginine methyltransferase CARM1; protein arginine N-methyltransferase 4
UniProt Protein Name	Histone-arginine methyltransferase CARM1
UniProt Gene Name	CARM1
UniProt Synonym Gene Names	PRMT4
UniProt Entry Name	CARM1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/carm1-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/210942>