Product Name: **CARM1 Mouse Monoclonal Antibody**
Catalog #: **AMM80938**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA,FC
Reactivity	Human,Mouse,Rat,Rabbit,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	65kDa

Antigen Information

Gene Name	CARM1
Alternative Names	PRMT4; CARM1
Gene ID	10498.0
SwissProt ID	Q86X55
Immunogen	Purified recombinant fragment of human CARM1 expressed in E. Coli.

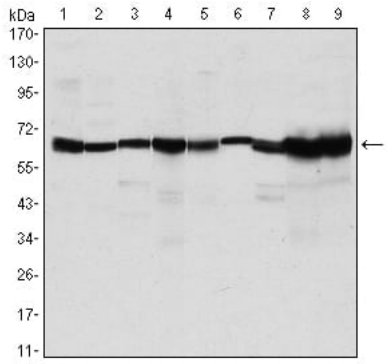
Background

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

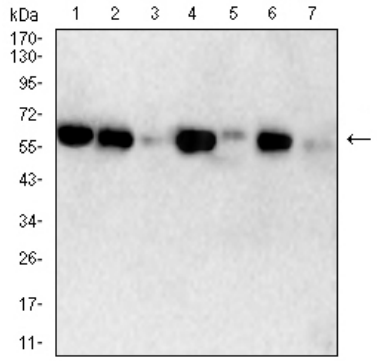
transcriptional activation (Frankel et al. 2002 (PubMed 11724789). Tissue specificity: Overexpressed in prostate adenocarcinomas and high-grade prostatic intraepithelial neoplasia.

Research Area

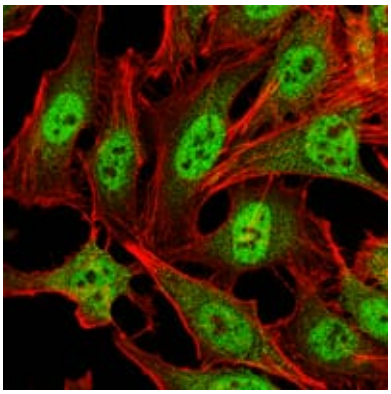
Image Data



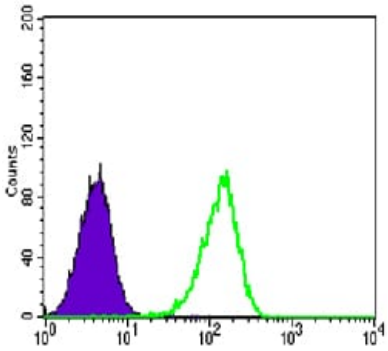
Western blot analysis using CARM1 mouse mAb against MCF-7 (1), Hela (2), NIH/3T3 (3), HL-60 (4), LNcap (5), Jurkat (6), PC-3 (7), Cos7 (8), and PC-12 (9) cell lysate.



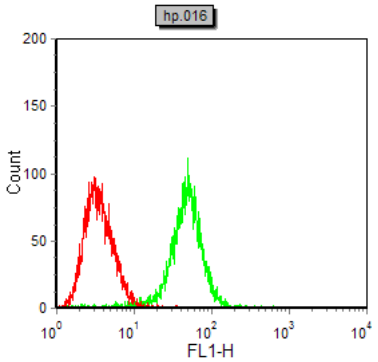
Western blot analysis using CARM1 mouse mAb against CHO3D10(1),COS-7(2),F9(3),L1210(4),C2C12(5),NIH/3T3(6),Mouse liver(7) cell lysate.



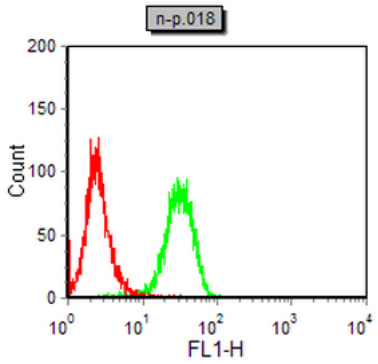
Immunofluorescence analysis of Hela cells using CRAM1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



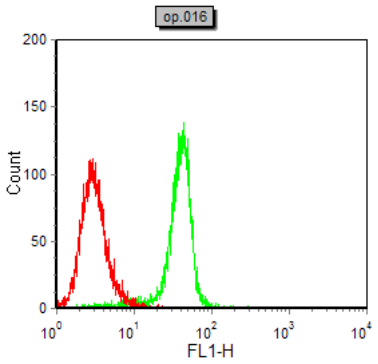
Flow cytometric analysis of Lovo cells using CARM1 mouse mAb (green) and negative control (purple).



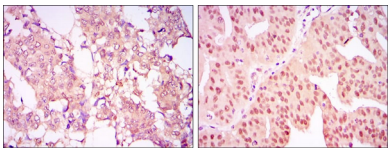
Flow cytometric analysis of Hela cells using CARM1 mouse mAb (green) and negative control (red).



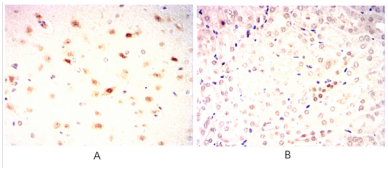
Flow cytometric analysis of NIH/3T3 cells using CARM1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of COS7 cells using CARM1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues (left) and ovarian cancer tissues (right) using CARM1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Mouse brain(A)Mouse kidney(B) using CARM1 mouse mAb with DAB staining.