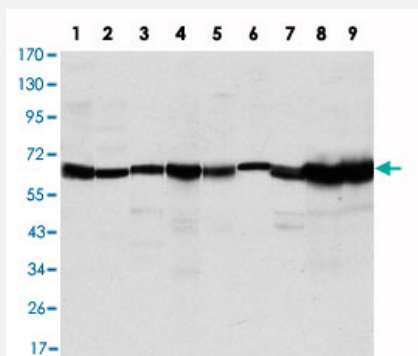


CARM1 monoclonal antibody, clone 3H2

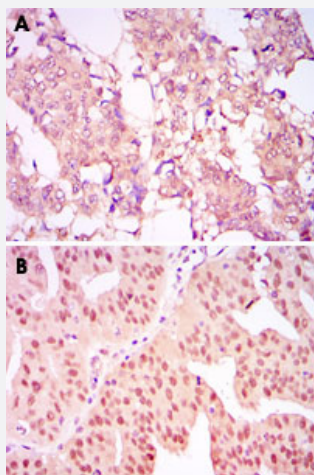
Catalog # MAB10518 Size 100 uL

Applications



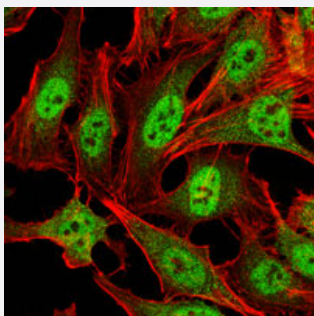
Western Blot (Cell lysate)

Western blot analysis using CARM1 monoclonal antibody, clone 3H2 (Cat # MAB10518) against MCF-7 (1), HeLa (2), NIH/3T3 (3), HL-60 (4), LNcap (5), Jurkat (6), PC-3 (7), COS-7 (8), and PC-12 (9) cell lysate.



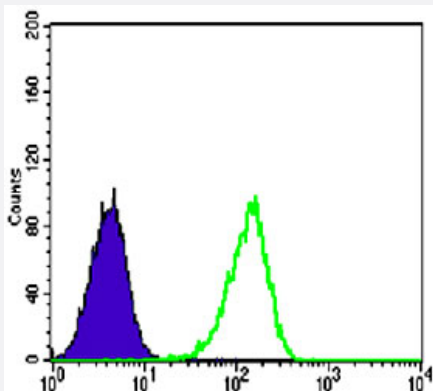
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast cancer tissues (A) and ovarian cancer tissues (B) using CARM1 monoclonal antibody, clone 3H2 (Cat # MAB10518) with DAB staining.



Immunofluorescence

Immunofluorescence analysis of HeLa cells using CARM1 monoclonal antibody, clone 3H2 (Cat # MAB10518) (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometry

Flow cytometric analysis of LoVo cells using CARM1 monoclonal antibody, clone 3H2 (Cat # MAB10518) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CARM1.
Immunogen	Recombinant protein corresponding to human CARM1.
Host	Mouse
Theoretical MW (kDa)	65
Reactivity	Human, Monkey, Rat
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis using CARM1 monoclonal antibody, clone 3H2 (Cat # MAB10518) against MCF-7 (1), HeLa (2), NIH/3T3 (3), HL-60 (4), LNCap (5), Jurkat (6), PC-3 (7), COS-7 (8), and PC-12 (9) cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast cancer tissues (A) and ovarian cancer tissues (B) using CARM1 monoclonal antibody, clone 3H2 (Cat # MAB10518) with DAB staining.

- Immunofluorescence

Immunofluorescence analysis of HeLa cells using CARM1 monoclonal antibody, clone 3H2 (Cat # MAB10518) (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of LoVo cells using CARM1 monoclonal antibody, clone 3H2 (Cat # MAB10518) (green) and negative control (purple).

Gene Info — CARM1

Entrez GeneID [10498](#)

Gene Name CARM1

Gene Alias PRMT4

Gene Description coactivator-associated arginine methyltransferase 1

Omim ID [603934](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]).[supplied by OMIM]

Other Designations coactivator-associated arginine methyltransferase-1|protein arginine N-methyltransferase 4

Disease

- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Spinal Dysraphism](#)