

Anti-Cyclin A Antibody (Monoclonal, CY-A1)

Catalog # ABO10424

Product Information

Application	WB, ICC
Primary Accession	P51943
Host	Mouse
Isotype	Mouse IgG2a
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for Cyclin A, cyclin A2 (CCNA2) detection. Tested with WB, ICC in Human;mouse;bovine. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Gene ID	12428
Other Names	Cyclin-A2, Cyclin-A, Ccna2, Ccna, Cyca
Calculated MW	47269
Application Details	Immunocytochemistry , 1 µg/ml, Human, bovine , mouse, - Western blot, 0.5-1 µg/ml, Human, bovine , mouse
Subcellular Localization	Nucleus. Cytoplasm. Cytoplasmic when associated with SCAPER. .
Tissue Specificity	Ubiquitous. In the testis, expressed in germ cells and in the ovary, in both germline and somatic cells.
Source	Eukaryota
Protein Name	Cyclin-A2
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Clone Names	CY-A1
Immunogen	Recombinant bovine cyclin A.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After r ° Constitution, 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.
Sequence Similarities	Belongs to the cyclin family. Cyclin AB subfamily.

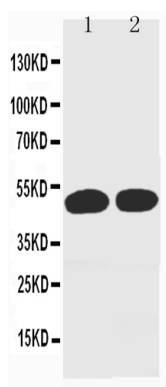
Protein Information

Name	Ccna2 {ECO:0000312 MGI:MGI:108069}
Function	Essential for the control of the cell cycle at G1/S and G2/M transition (By similarity). Functions through the formation of specific serine/threonine protein kinase holoenzyme complexes with the cyclin- dependent protein kinases CDK1 or CDK2. The cyclin subunit confers the substrate specificity of these complexes and differentially interacts with and activates CDK1 and CDK2 throughout the cell cycle (By similarity).
Cellular Location	Nucleus. Cytoplasm. Note=Exclusively nuclear during interphase. Detected in the nucleus and the cytoplasm at prophase Cytoplasmic when associated with SCAPER {ECO:0000250 UniProtKB:P20248}
Tissue Location	Ubiquitous (PubMed:8565853). In the testis, expressed in germ cells and in the ovary, in both germline and somatic cells (PubMed:10068472, PubMed:8575639).

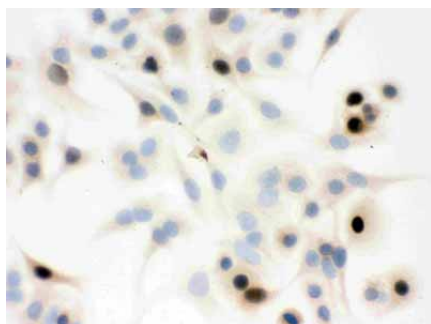
Background

The mammalian A-type cyclin family consists of 2 members, cyclin A1(CCNA1) and cyclin A2(CCNA2). Human cyclin A gene is assigned to 4q26-q27. Cyclin A protein is synthesized and localized into the nucleus at the onset of S phase in nontransformed mammalian fibroblasts.

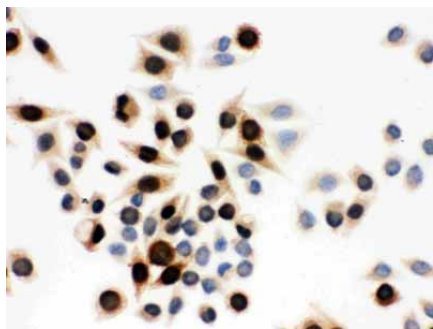
Images



Anti-Cyclin A antibody (monoclonal), ABO10424, Western blotting
Lane 1: HELA Cell Lysate
Lane 2: JURKAT Cell Lysate



Anti-Cyclin A antibody (monoclonal), ABO10424, ICCICC:
A549 Cell



Anti-Cyclin A antibody (monoclonal), ABO10424, ICCICC:
SMMC-7721 Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.