

Cyclin A2 Rabbit mAb

Catalog # AP75310

Product Information

Application	WB, IHC-P, IHC-F
Primary Accession	P51943
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	47269

Additional Information

Gene ID	12428
Other Names	Ccna2
Dilution	WB~~1:500-1:1000 IHC-P~~N/A IHC-F~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

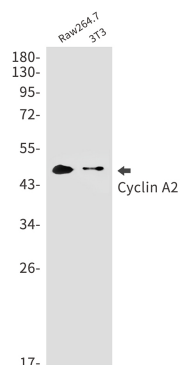
Protein Information

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).

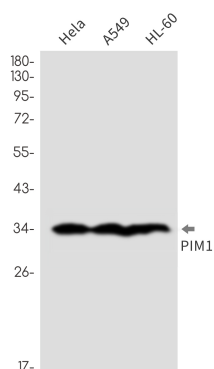
Background

Cyclin which controls both the G1/S and the G2/M transition phases of the cell cycle. Functions through the formation of specific serine/threonine kinase holoenzyme complexes with the cyclin-dependent protein kinases CDK1 and CDK2. The cyclin subunit confers the substrate specificity of these complexes and differentially interacts with and activates CDK1 and CDK2 throughout the cell cycle.

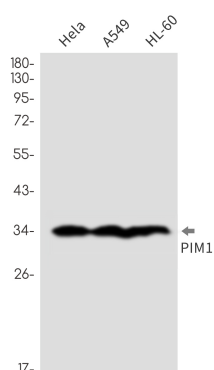
Images



Western blot analysis of Cyclin A2 in Raw264.7, 3T3 lysates using Cyclin A2 antibody.



Western blot analysis of Cyclin A2 in Jurkat, C6, A431 lysates using Cyclin A2 antibody.



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