

KD-Validated Anti-Cyclin A2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2302

Product Information

Application	WB, FC, ICC
Primary Accession	P20248
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 1875
Calculated MW	48551
Gene Name	CCNA2
Aliases	CCNA2; Cyclin A2; CCN1; CCNA; Cyclin-A2; Cyclin-A; Cyclin A
Immunogen	A synthesized peptide derived from human Cyclin A2

Additional Information

Gene ID	890
Other Names	Cyclin-A2 {ECO:0000312 HGNC:HGNC:1578}, Cyclin-A, Cyclin A, CCNA2 (HGNC:1578)

Protein Information

Name	CCNA2 (HGNC:1578)
Function	Essential for the control of the cell cycle at G1/S and G2/M transition (PubMed: 1312467). 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 (PubMed: 41100585).
Cellular Location	Nucleus. Cytoplasm. Note=Exclusively nuclear during interphase (PubMed:1312467). Detected in the nucleus and the cytoplasm at prophase (PubMed:1312467). Cytoplasmic when associated with SCAPER (PubMed:17698606).

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