

CAB2635

Product Information

Product SKU:	CAB2635	Gene ID:	890/8900	Size:	20uL, 100uL
Clone No:	ARC2642	Host Species:	Rabbit	Reactivity:	Human,Mouse

Additional Information

Observed MW:	52kDa/55kDa	Conjugate:	Unconjugated
Calculated MW:	52kDa/49kDa	Isotype:	IgG

Immunogen Information

Background: The protein encoded by this gene belongs to the highly conserved cyclin family, whose members function as regulators of the cell cycle. This protein binds and activates cyclin-dependent kinase 2 and thus promotes transition through G1/S and G2/M. The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. The cyclin encoded by this gene was shown to be expressed in testis and brain, as well as in several leukemic cell lines, and is thought to primarily function in the control of the germline meiotic cell cycle. This cyclin binds both CDK2 and CDC2 kinases, which give two distinct kinase activities, one appearing in S phase, the other in G2, and thus regulate separate functions in cell cycle. This cyclin was found to bind to important cell cycle regulators, such as Rb family proteins, transcription factor E2F-1, and the p21 family proteins. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilution: WB, 1:500 - 1:1000 IP, 0.5µg-4µg antibody for 400µg-600µg extracts of whole cells

Synonyms: CCN1; CCNA; CT146; Cyclin A1/A2

Purification Method: Affinity purification

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 250-465 of human Cyclin A1/A2 (P20248).

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.