

For Research Use Only

Cyclin A1 Recombinant antibody, PBS Only

Catalog Number: 86151-1-PBS



Basic Information

Catalog Number: 86151-1-PBS	GenBank Accession Number: BC036346	Purification Method: Protein A purification
Size: 100ug	GeneID (NCBI): 8900	CloneNo.: 250550D7
Source: Rabbit	UNIPROT ID: P78396	
Isotype: IgG	Full Name: cyclin A1	
Immunogen Catalog Number: AG4005	Calculated MW: 464 aa, 52 kDa	
	Observed MW: 52-55 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, rat

Background Information

CCNA1 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. CCNA1 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. CCNA1 was found to bind to important cell cycle regulators, such as Rb family proteins, transcription factor E2F-1, and the p21 family proteins. In general, the expression of CCNA1 is tissue-specific and high CCNA1 expression is limited to testis; besides, lower levels of CCNA1 expression are also observed in other human cell lines and in healthy brain. Currently, CCNA1 expression has been illustrated to be downregulated in various tumors, including head and neck squamous-cell cancer (HNSCC) and nasopharyngeal carcinoma; and the promoter of the CCNA1 gene is found to be frequently methylated in colon cancer and HNSCC.

Storage

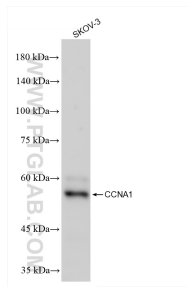
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



SKOV-3 cells were subjected to SDS PAGE followed by western blot with 86151-1-RR (CCNA1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86151-1-PBS in a different storage buffer formulation.