Cyclin A1 Polyclonal ANTIBODY

Catalog Number: 13295-1-AP 10 Publications

Basic Information

Catalog Number: 13295-1-AP

Size: 28 μg/150 μl

Source: Rabbit

Isotype: IgG

Purification Method: Antigen affinity purification

Immunogen Catalog Number: AG8005

GenBank Accession Number: BC036346

GeneID (NCBI): 8900

Full Name: cyclin A1

Calculated MW: 494aa, 52 kDa

Observed MW:

Recommended Dilutions:

Applications

Tested Applications: ELISA

Cited Applications: WB

Species Specificity: human, mouse, rat

Cited Species: human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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.

Notable Publications

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<th>Author</th>
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<th>Journal</th>
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<tr>
<td>Jing Wang</td>
<td>26409448</td>
<td>Tumour Biol</td>
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<td>Yuan Zhao</td>
<td>27731405</td>
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<td>Yun Liu</td>
<td>30535488</td>
<td>Int. J Mol Med</td>
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Storage

Storage: Store at -20°C. Stable for one year after shipment.

Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage.

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For technical support and original validation data for this product please contact:

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Selected Validation Data