



Rabbit Anti-Cyclin A2 antibody

SL0571R

Product Name:	Cyclin A2
Chinese Name:	周期素A2抗体
Alias:	CCN1; CCNA; CCNA2; CCNA2 HUMAN; Cyclin-A2; CCNA2; Cyclin-A.
文献引用 PubMed :	Specific References(1) SL0571R has been referenced in 1 publications. [IF=2.08]Zhang, Jihong, et al. "Interleukin 18 augments growth ability via NF-κB and p38/ATF2 pathways by targeting cyclin B1, cyclin B2, cyclin A2, and Bcl-2 in BRL-3A rat liver cells." Gene (2015).WB;Rat. PubMed:25752290
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Cyclin A:375-431/431
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

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. In contrast to cyclin A1, which is present only in germ cells, this cyclin is expressed in all tissues tested. This cyclin binds and activates CDC2 or CDK2 kinases, and thus promotes both cell cycle G1/S and G2/M transitions. [provided by RefSeq, Jul 2008].

Function:

Essential for the control of the cell cycle at the G1/S (start) and the G2/M (mitosis) transitions.

Subunit:

Interacts with the CDK1 and CDK2 protein kinases to form a serine/threonine kinase holoenzyme complex. The cyclin subunit imparts substrate specificity to the complex. When associated with CDK2 (but not with CDK1), interacts with SCAPER.

Subcellular Location:

Nucleus. Cytoplasm. Note=Cytoplasmic when associated with SCAPER.

Post-translational modifications:

Polyubiquitinated via 'Lys-11'-linked ubiquitin by the anaphase-promoting complex (APC/C), leading to its degradation by the proteasome. Deubiquitinated and stabilized by USP37 enables entry into S phase.

Similarity:

Belongs to the cyclin family. Cyclin AB subfamily.

SWISS:

P51943

Gene ID:

890

Database links:

[Entrez Gene: 281667](#)Cow

[Entrez Gene: 890](#)Human

[Entrez Gene: 12428](#)Mouse

[Entrez Gene: 114494](#)Rat

[Omim: 123835](#)Human

Product Detail:

[SwissProt: P30274](#)Cow

[SwissProt: P20248](#)Human

[SwissProt: P51943](#)Mouse

[Unigene: 58974](#)Human

[Unigene: 4189](#)Mouse

[Unigene: 13094](#)Rat

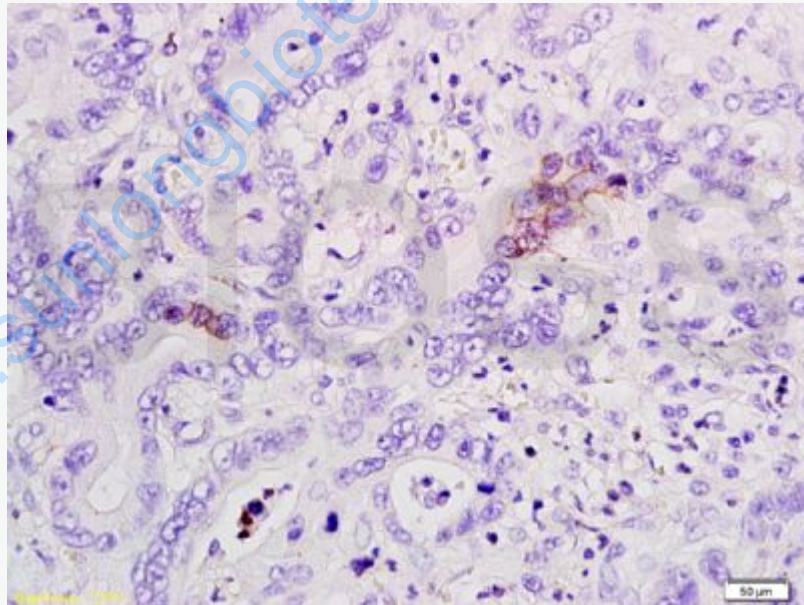
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Cyclin A

可以出现在所有类型的细胞。各周期素可出现在不同的细胞增殖周期中。能结合和激活CDK2激酶, 促进细胞G1/S和G2/M增殖周期的转化。

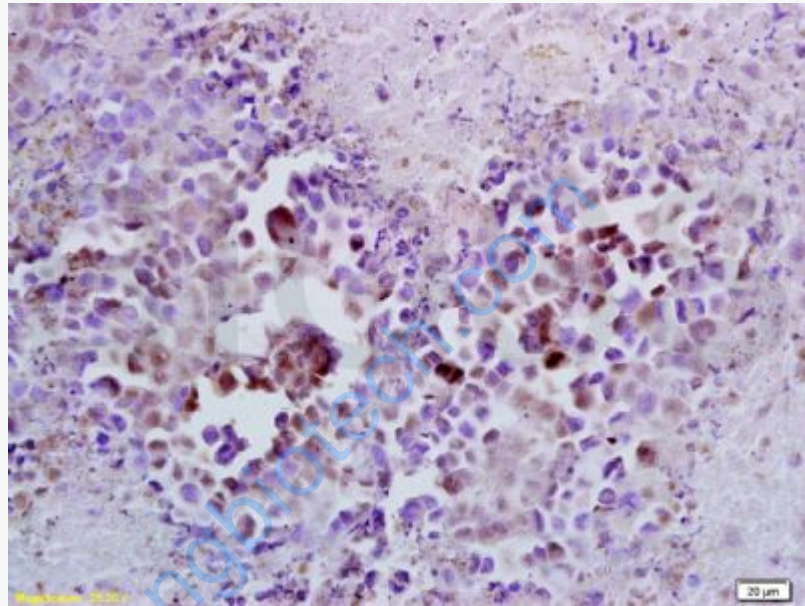
Picture:



Tissue/cell: human bile duct cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Cyclin A2 Polyclonal Antibody, Unconjugated(SL0571R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse lymphoma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Cyclin A2 Polyclonal Antibody, Unconjugated(SL0571R) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining