

Datasheet for 100-401-151**Cyclin A Antibody****Overview**

Description:	Anti-Cyclin A (RABBIT) Antibody - 100-401-151
Item No.:	100-401-151
Size:	100 µL
Applications:	IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Anti-Cyclin A detects Cyclin A. Cyclin A is a member of the cyclin family. Cyclin A binds to S phase Cdk2 and is required for the cell to progress through the S phase. Cyclin A/ Cdk2 is inhibited by the complex p21CIP. Anti-Cyclin A Antibody is ideal for investigators involved in Cell Signaling, cell biology and Signal Transduction research.
Synonyms:	rabbit anti-Cyclin A antibody, CCN1 antibody, CCNA antibody, CCNA2 antibody, Cyclin A2 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	CCNA2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Cyclin-A Antibody was produced by repeated immunizations with a recombinant protein corresponding to the human cyclin A.

Purity/Specificity: Anti-Cyclin A was prepared from monospecific antiserum by delipidation and defibrination. Antiserum will specifically react with a 60 kDa Cyclin A protein from human, rat and mouse tissue. No reaction was observed against other related cyclins. Cross reactivity with Cyclin A from other species may also occur.

Relevant Links:

- [UniProtKB - P20248](#)
- [NCBI - NP_001228.1](#)
- [GeneID - 890](#)

Application Details

Tested Applications: IHC, WB

Application Note: Anti-Cyclin-A antibody has been tested by western blot and immunohistochemistry and is suitable for the detection by immunoblot, ELISA, IHC, and IP of human, rat and mouse Cyclin A. Researchers should determine optimal titers for applications that are not stated below.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5,000 - 1:20,000

IHC: 1:100

IP: 1:100

WB: 1:500 - 1:5,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 80 mg/mL by Refractometry

Buffer: None

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

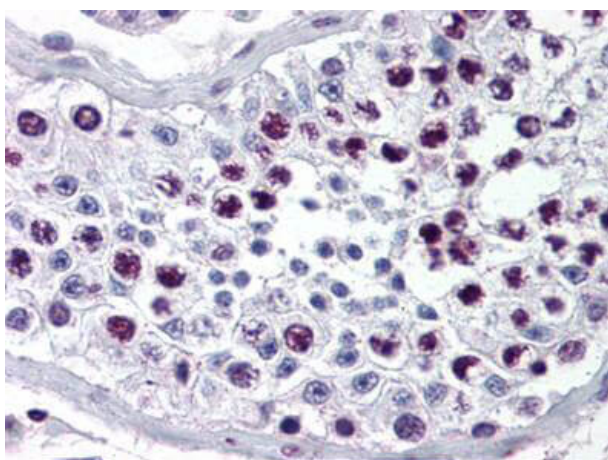
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

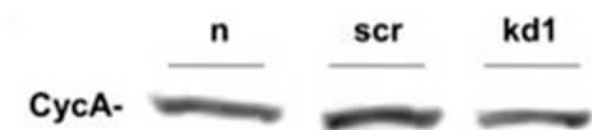


Immunohistochemistry

Immunohistochemistry of Rabbit Anti-Cyclin A antibody.
 Tissue: human testes tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required.
 Primary antibody: Cyclin A antibody at 1:500 for 1 h at RT.
 Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Cyclin A is nuclear and cytoplasmic. Staining: Cyclin A as precipitated red signal with hematoxylin purple nuclear counterstain.

Western Blot

Western Blot of Rabbit anti-Cyclin A antibody shows no difference detected between cell lines. Lane 1: T98G cells treated with normal (n). Lane 2: T98G cells treated with scrambled (scr). Lane 3: T98G cells treated with PIN1 knockdown (kd1). Load: 25 µg per lane. Primary antibody: Cyclin A antibody at 1:400 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 60kDa for Cyclin A. Figure 1. PMID: 22322860.



References

- Rizzolio F et al. Retinoblastoma tumor-suppressor protein phosphorylation and inactivation depend on direct interaction with Pin1. *Cell Death Differ.* (2012)

Disclaimer

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