

Rabbit anti-Human, Mouse Cyclin A1 Polyclonal Antibody | anti-CCNA1 antibody

Cyclin A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321966	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

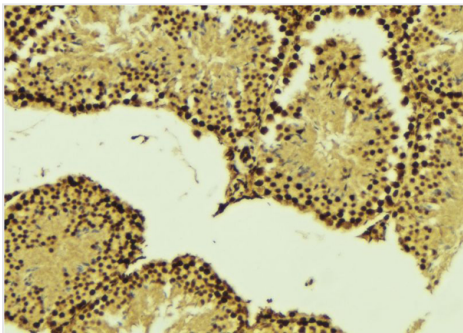
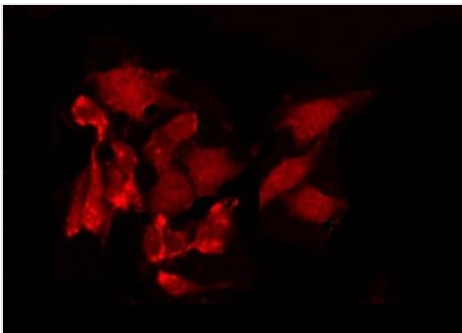
PRODUCT SYNONYMS

Cyclin A1; Polyclonal Antibody; Cyclin A1 Antibody; CCN A1; CCNA 1; Ccna1; CCNA1_HUMAN; Cyclin-A1; CyclinA1; G2/mitotic specific cyclin A1; MGC132235; MGC159139; anti-CCNA1 antibody

PRODUCT SPECIFICATIONS

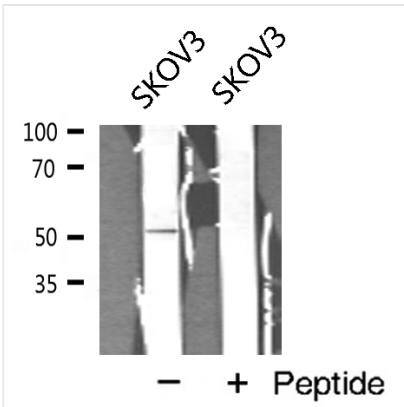
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Cyclin A1 antibody detects endogenous levels of total Cyclin A1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	464
Applicable Applications for anti-CCNA1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cyclin A1
Subcellular Location	Nucleus.
Tissue Specificity	Very high levels in testis and very low levels in brain. Also found in myeloid leukemia cell lines.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (80%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

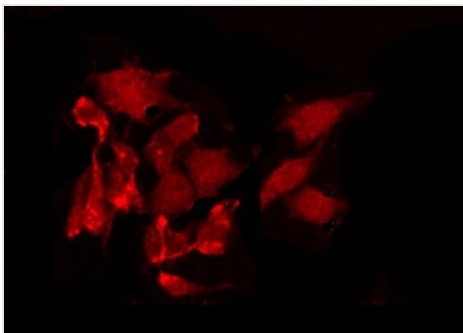


IF (Immunofluorescence)
AAA321966 staining SKOV3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

IHC (Immunohistochemisry)
AAA321966 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Cyclin A1 expression in SKOV3 cell extract



IF (Immunofluorescence)
AAA321966 staining U-937 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugation factor IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNA1 antibody	Description: May be involved in the control of the cell cycle at the G1/S (start) and G2/M (mitosis) transitions. May primarily function in the control of the germline meiotic cell cycle and additionally in the control of mitotic cell cycle in some somatic cells. Subunit Structure: Interacts with the CDK2 and the CDC2 protein kinases to form a serine/threonine kinase holoenzyme complex. The cyclin subunit imparts substrate specificity to the complex. Does not bind CDK4 and CDK5 (in vitro). The cyclin A1-CDK2 complex interacts with transcription factor E2F-1 and RB proteins. Found in a complex with CDK2, CABLES1 and CCNE1 (By similarity). Interacts with INCA1 and KLHDC9. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	161377468
NCBI GeneID	8900
NCBI Accession #	NP_001104515.1
NCBI GenBank Nucleotide #	NM_001111045.1
UniProt Accession #	P78396; Q5T3V0; Q5U0G2; Q8IY91; B7Z7E3

Molecular Weight	Observed: 52 kDa Predicted: 53 kDa
NCBI Official Full Name	cyclin-A1 isoform b
NCBI Official Synonym Full Names	cyclin A1
NCBI Official Symbol	CCNA1
NCBI Official Synonym Symbols	CT146
NCBI Protein Information	cyclin-A1
UniProt Protein Name	Cyclin-A1
UniProt Gene Name	CCNA1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyclin-a1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321966>