

Rabbit Cyclin A Polyclonal Antibody | anti-CCNA1 antibody

Cyclin A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320789	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

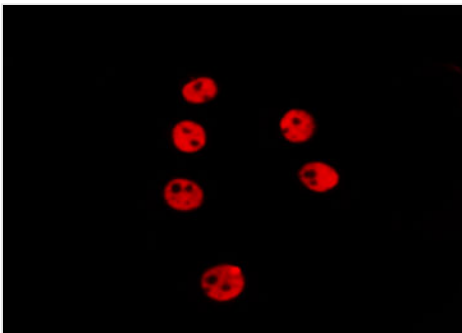
PRODUCT SYNONYMS

Cyclin A; Polyclonal Antibody; Cyclin A Antibody; CCN A1; CCNA 1; Ccna1; CCNA1_HUMAN; Cyclin-A1; CyclinA1; G2/mitotic specific cyclin A1; MGC132235; MGC159139; CCN1; CCNA; Ccna2; CCNA2_HUMAN; Cyclin A2; Cyclin-A; Cyclin-A2; anti-CCNA1 antibody

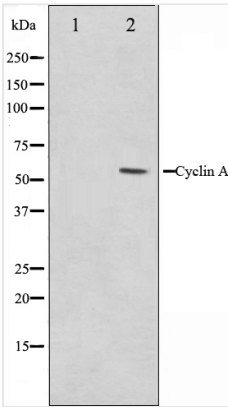
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Cyclin A antibody detects endogenous levels of total Cyclin A
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 A
Subcellular Location	Nucleus.
Tissue Specificity	Very high levels in testis and very low levels in brain. Also found in myeloid leukemia cell lines.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA320789 staining HepG2 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.



WB (Western Blot)
Western blot analysis on COS7 cell lysate using Cyclin A Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNA1 antibody	Description: CCNA1 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. Belongs to the cyclin family; CCNA2 a member of the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Function: 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.
References	Liao S, Xiao S, Chen H, Zhang M, Chen Z, Long Y, Gao L, Zhu G, He J, Peng S, Xiong W, Zeng Z, Li Z, Zhou M, Li X, Ma J, Wu M, Xiang J, Li G, Zhou Y; Journal: Mol Carcinog. CD38 enhances the proliferation and inhibits the apoptosis of cervical cancer cells by affecting the mitochondria functions. Huang YX, Song H, Tao Y, Shao XB, Zeng XS, Xu XL, Qi JL, Sun JF; Journal: PLoS One. Ovostatin 2 knockdown significantly inhibits the growth, migration, and tumorigenicity of cutaneous malignant melanoma cells. Chen H, Suo K, Cheng Y, Zheng B, Xu L; Journal: Gynecol Endocrinol. Vascular endothelial growth factor C enhances cervical cancer migration and invasion via activation of focal adhesion kinase. Liao S, Xiao S, Chen H, Zhang M, Chen Z, Long Y, Gao L, He J, Ge Y, Yi W, Wu M, Li G, Zhou Y; Journal: Int J Oncol. The receptor for activated protein kinase C promotes cell growth, invasion and migration in cervical cancer.

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: 53 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyclin-a-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320789>