

anti-Human, Rat Cyclin A2 Polyclonal Antibody | anti-CCNA2 antibody

Anti-Cyclin A2 Antibody

CATALOG # AAA46261	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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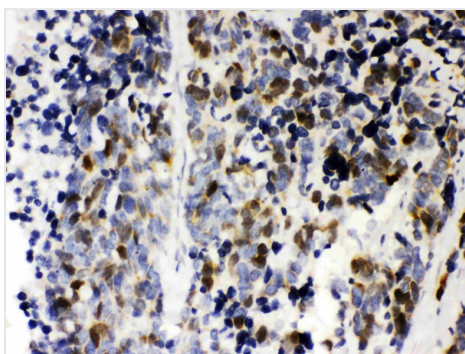
PRODUCT SYNONYMS

Cyclin A2; Polyclonal Antibody; Anti-Cyclin A2 Antibody; Cyclin-A2; CCN1; CCNA; CCNA2; CCNA2_HUMAN; Cyclin-A; cyclin A2; anti-CCNA2 antibody

PRODUCT SPECIFICATIONS

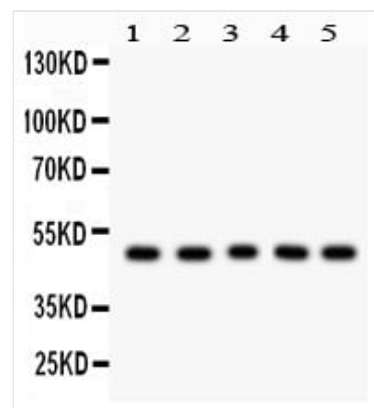
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	432
Applicable Applications for anti-CCNA2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Cyclin A2 recombinant protein (Position: A10-K168). Human Cyclin A2 shares 74.5% amino acid (aa) sequence identity with mouse Cyclin A2.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Cyclin A2 Picoband antibody, AAA46261, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)

Anti- Cyclin A2 Picoband antibody, AAA46261, Western blotting

All lanes: Anti Cyclin A2 (AAA46261) at 0.5ug/ml

Lane 1: Rat Skeletal Muscle Tissue Lysate at 50ug

Lane 2: HELA Whole Cell Lysate at 40ug

Lane 3: COLO320 Whole Cell Lysate at 40ug

Lane 4: HEPG2 Whole Cell Lysate at 40ug

Lane 5: MCF-7 Whole Cell Lysate at 40ug

Predicted bind size: 49KD

Observed bind size: 49KD

ADDITIONAL INFORMATION

Related Product Information for anti-CCNA2 antibody	Description: Rabbit IgG polyclonal antibody for Cyclin-A2(CCNA2) detection. Tested with WB, IHC-P in Human;Rat. Background: Cyclin A2, known as CCNA2, is mapped to 4q27. 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. And Cyclin A2 is synthesized at the onset of S phase and localizes to the nucleus, where the cyclin A2-CDK2 complex is implicated in the initiation and progression of DNA synthesis. Phosphorylation of CDC6 and MCM4 by the cyclin A2-CDK2 complex prevents re-replication of DNA during the cell cycle.
References	1. Gong D, Ferrell JE (Sep 2010). "The roles of cyclin A2, B1, and B2 in early and late mitotic events". Mol. Biol. Cell 21(18): 3149-61. 2. Yam CH, Fung TK, Poon RY (Aug 2002). "Cyclin A in cell cycle control and cancer". Cell. Mol. Life Sci. 59 (8): 1317-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502613
NCBI GeneID	890
NCBI Accession #	NP_001228.1
NCBI GenBank Nucleotide #	NM_001237.3
UniProt Accession #	P20248; Q2M3U6; Q4W5P4; Q6LER8; A8K7B6
Molecular Weight	48,551 Da
NCBI Official Full Name	cyclin-A2
NCBI Official Synonym Full Names	cyclin A2
NCBI Official Symbol	CCNA2
NCBI Official Synonym Symbols	CCN1; CCNA
NCBI Protein Information	cyclin-A2
UniProt Protein Name	Cyclin-A2
UniProt Gene Name	CCNA2
UniProt Synonym Gene Names	CCN1; CCNA; Cyclin-A
UniProt Entry Name	CCNA2_HUMAN

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://www.aaabiotech.com/polyclonal/cyclin-a2-antibody-immunohistochemistry-western-blot-elisa/46261>