Mouse Cyclin A2 Monoclonal Antibody | anti-CCNA2 antibody

Cyclin A2 (S- & G2-phase Cyclin)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214567	**Mouse**	**Human. Others not tested.**	**Immunohistochemistry**

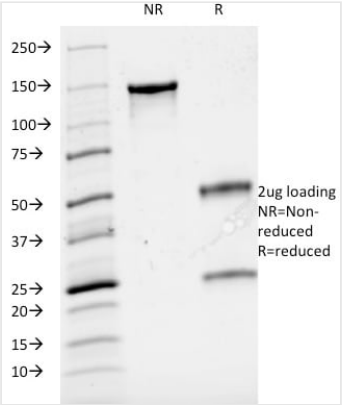
PRODUCT SYNONYMS

Cyclin A2; Monoclonal Antibody; Cyclin A2 (S- & G2-phase Cyclin); CCN1; CCNA; CCNA2; anti-CCNA2 antibody

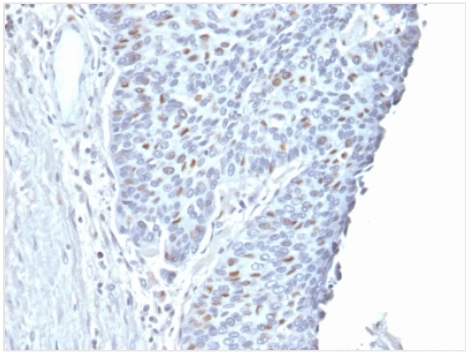
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	CCNA2/2333
Specificity	It recognizes a protein of 54kDa, which is identified as cyclin A. Its epitope is located amino acids 144-148 of human Cyclin A2. Cyclins are regulatory subunits of the cyclin-dependent kinases (cdk s) and they control transition at different specific phases of the cell cycle. The temporal expression of cyclins is tightly regulated and subsequently plays a critical role in controlling the enzymatic activity of cdk s. These cyclin/cdk complexes are essential for passage through specific stages in the cell cycle. In mammalian somatic cells, cyclin A is required for S-phase and passage through G2-phase. The D and E type cyclins regulate the passage of G1, while cyclin B is a critical regulator of mitosis. Mutation or disruption of normal cyclin A expression causes cells to arrest in G2-phase.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	432
Applicable Applications for anti-CCNA2 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human Cyclin A2 protein
Cellular Localization	Nuclear and Cytoplasmic
Hu-chromosome Location	4q27
Positive Control	K-562 and HeLa Cells; Tonsil.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

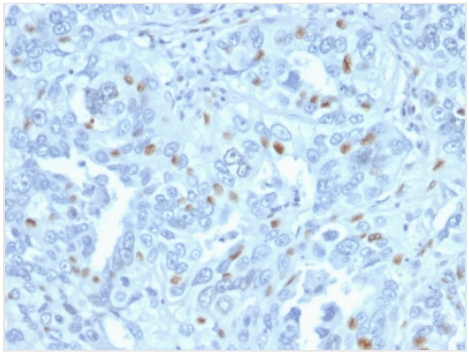
IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified Cyclin A Mouse Monoclonal Antibody (CCNA2/2333). Confirmation of Integrity and Purity of Antibody.



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Cyclin A2 Mouse Monoclonal Antibody (CCNA2/2333).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Cyclin A2 Mouse Monoclonal Antibody (CCNA2/2333).

ADDITIONAL INFORMATION

References	Adamczewski JP; Gannon JV; Hunt T. Simian virus 40 large T antigen associates with cyclin A and p33cdk2. Journal of Virology, 1993, 67(11):6551-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502613
NCBI GeneID	890
NCBI Accession #	NP_001228.1
NCBI GenBank Nucleotide #	NM_001237.4
UniProt Accession #	P20248; Q2M3U6; Q4W5P4; Q6LER8; A8K7B6
Molecular Weight	54kDa
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	Cyclin-A

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/monoclonal/cyclin-a2-antibody-clone-ccna2-2333-immunohistochemistry-elisa/214567