Cyclin A1 (CCNA1) Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	Cyclin A1 (CCNA1), Polyclonal Antibody
Full Product Name	Cyclin A1 Polyclonal Antibody
Product Gene Name	anti-CCNA1 antibody
Clonality	Polyclonal
Molecular Weight	47,494 Da
OMIM	604036
3D Structure	ModBase 3D Structure for P78396
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-CCNA1 antibody	MBS8522149 is an antibody targeting CCNA1. Also known as Cyclin A1 Polyclonal Antibody.
Other Notes	Small volumes of anti-CCNA1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCNA1. It may not necessarily be applicable to this product.

NCBI GI #	161377468
NCBI GeneID	8900
NCBI Accession #	NP_001104515.1
UniProt Primary Accession #	P78396
UniProt Secondary Accession #	Q5T3V0; Q5U0G2; Q8IY91; B7Z7E3
UniProt Related Accession #	P78396
GenBank Nucleotide #	NM_001111045.1
NCBI Official Full Name	cyclin-A1 isoform b
NCBI Official Synonym Full Names	cyclin A1
NCBI Official Symbol	CCNA1
NCBI Official Synonym Symbols	CT146
UniProt Protein Name	Cyclin-A1
Protein Family	Cyclin
UniProt Gene Name	CCNA1
NCBI Protein Information	cyclin-A1

NCBI Summary for CCNA1	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. The cyclin encoded by this gene was shown to be expressed in testis and brain, as well as in several leukemic cell lines, and is thought to primarily function in the control of the germline meiotic cell cycle. This cyclin binds both CDK2 and CDC2 kinases, which give two distinct kinase activities, one appearing in S phase, the other in G2, and thus regulate separate functions in cell cycle. This cyclin was found to bind to important cell cycle regulators, such as Rb family proteins, transcription factor E2F-1, and the p21 family proteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for 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.
Research Articles on CCNA1	**1.** Cyclin A1 functions as an oncogene that controls proliferative and survival activities in tumourigenesis and chemoresistance of ovarian cancer.
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