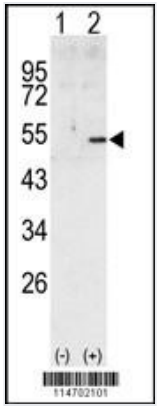
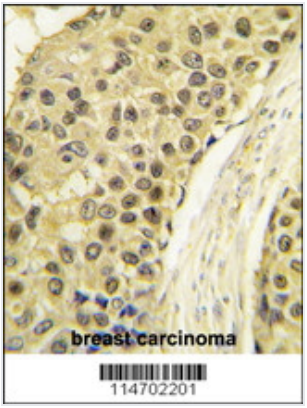
CCNA2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCNA2, Polyclonal Antibody
Full Product Name	CCNA2, CT (Cyclin-A2, Cyclin-A, CCN1, CCNA) (HRP)
Product Gene Name	anti-CCNA2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human CCNA2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates.
Molecular Weight	51.1 kDa (456aa)
OMIM	123835
3D Structure	ModBase 3D Structure for P20248
Immunogen	Synthetic peptide selected from the C-terminal region of human CCNA2 (KLH).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CCNA2 antibody	Antibodies; Cyclin
Applications Tested/Suitable for anti-CCNA2 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-CCNA2 antibody	IHC: 1:10-1:50 ELISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-CCNA2 antibody	MBS6471156 is an antibody targeting CCNA2. Also known as CCNA2, CT (Cyclin-A2, Cyclin-A, CCN1, CCNA) (HRP). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CCNA2 antibody	1. Henglein B., Proc. Natl. Acad. Sci. USA 91:5490-5494(1994). 2. Wang J., Nature 343:555-557(1990). 3. Tsang, W.Y., J. Cell Biol. 178(4), 621-633 (2007).
Other Notes	Small volumes of anti-CCNA2 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.



Western Blot (WB) of anti-CCNA2 antibody
Western blot analysis of CCNA2 (arrow) using rabbit polyclonal CCNA2 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CCNA2 gene (Lane 2) (Origene Technologies).



Immunohistochemistry (IHC) of anti-CCNA2 antibody
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with CCNA2 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCNA2. It may not necessarily be applicable to this product.

NCBI GI #	4502613
NCBI GeneID	890
NCBI Accession #	NP_001228
UniProt Primary Accession #	P20248
UniProt Secondary Accession #	Q2M3U6; Q4W5P4; Q6LER8; A8K7B6
UniProt Related Accession #	P20248
GenBank Nucleotide #	NM_001237.4
NCBI Official Full Name	cyclin-A2
NCBI Official Synonym Full Names	cyclin A2
NCBI Official Symbol	CCNA2
NCBI Official Synonym Symbols	CCN1; CCNA
UniProt Protein Name	Cyclin-A2
Protein Family	Cyclin
UniProt Gene Name	CCNA2
UniProt Synonym Gene Names	CCN1; CCNA; Cyclin-A
UniProt Entry Name	CCNA2_HUMAN
NCBI Protein Information	cyclin-A2
NCBI Summary for CCNA2	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members function as regulators of the cell cycle. This protein binds and activates cyclin-dependent kinase 2 and thus promotes transition through G1/S and G2/M. [provided by RefSeq, Aug 2016]

UniProt Comments for CCNA2	CCNA2: a member of 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. 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. Protein type: Cell cycle regulation; Nuclear receptor co-regulator Chromosomal Location of Human Ortholog: 4q27 Cellular Component: nucleoplasm; male pronucleus; cytoplasm; female pronucleus; nucleus Molecular Function: protein binding; protein kinase binding Biological Process: mitosis; positive regulation of fibroblast proliferation; organ regeneration; response to glucagon stimulus; cell division; positive regulation of transcription, DNA-dependent; mitotic cell cycle G2/M transition DNA damage checkpoint; regulation of G2/M transition of mitotic cell cycle; Ras protein signal transduction; regulation of cyclin-dependent protein kinase activity; mitotic cell cycle; G2/M transition of mitotic cell cycle; response to estradiol stimulus
Research Articles on CCNA2	**1.** Findings suggest that ERK1/2-mediated Cdk2/cyclin A signaling pathway is involved in 7-hydroxy-5,4'-dimethoxy-2-arylbenzofuran (Ary) - induced G1/S-phase arrest.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/ccna2/6471156