Product Datasheet

Cyclin A2 Antibody - BSA Free
NBP1-31330

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Reviews: 3 Publications: 6

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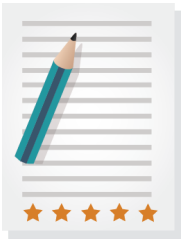
Updated 2/21/2025 v.20.1



NBP1-31330

Cyclin A2 Antibody - BSA Free

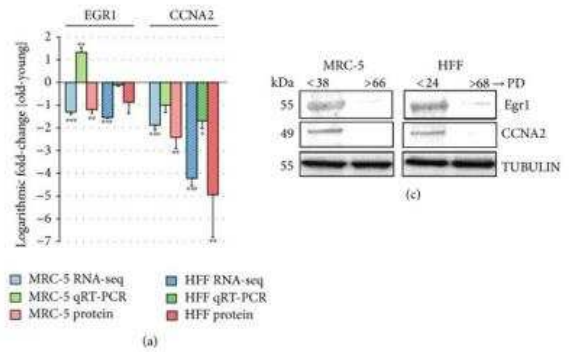
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	49 kDa

Product Description	
Host	Rabbit
Gene ID	890
Gene Symbol	CCNA2
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Pig (89%), Rabbit (83%), Bovine (84%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Cyclin A2. The exact sequence is proprietary.

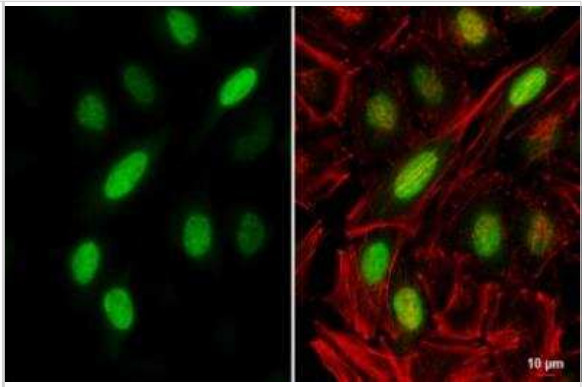
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000
Application Notes	Cyclin A2 antibody validated for IHC-P, WB from verified customer reviews.

Images

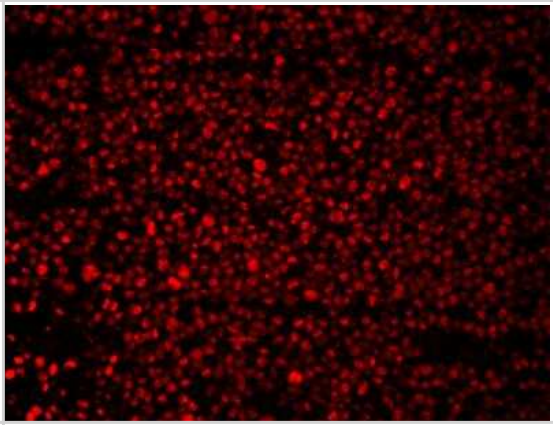
Western Blot: Cyclin A2 Antibody [NBP1-31330] - Comparison of expression changes between young and old MRC-5 and HFF fibroblasts measured by RNA-seq, qRT-PCR, and Western Blots. (a) CCNA2 is commonly downregulated. The colors of the bars indicate the measurement technique (blue: RNA-seq; green: qRT-PCR; red: Western Blots/protein expression). Error bars indicate standard deviation from the mean. Changes statistically different comparing young and old PD (RNA-seq: DESeq; rRT-PCR/Protein: Student's t-test; n = 3) are indicated with an asterisk: * p < 0.05, ** p < 0.01, and *** p < 0.001. (c) The blots show the protein expression levels in MRC-5 and HFF cells at young compared to old PDs. The up- or downregulation was signified by the presence or absence of bands in Western Blots. Image collected and cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/26339636) licensed under a CC-BY license.



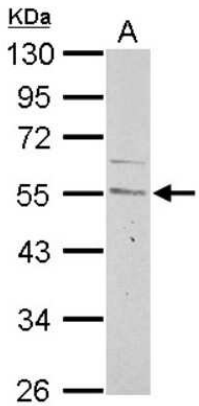
Immunocytochemistry/Immunofluorescence: Cyclin A2 Antibody [NBP1-31330] - Detects Cyclin A2 protein at nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Cyclin A2 stained by Cyclin A2 antibody diluted at 1:500. Red: phalloidin, a cytoskeleton marker, diluted at 1:100. Scale bar= 10 um.



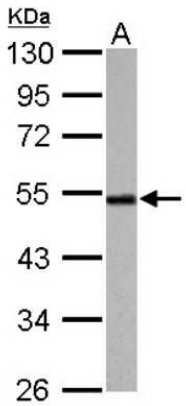
Immunohistochemistry-Paraffin: Cyclin A2 Antibody [NBP1-31330] - 293T cells stained with Cyclin A2 antibody. Image from verified customer review.

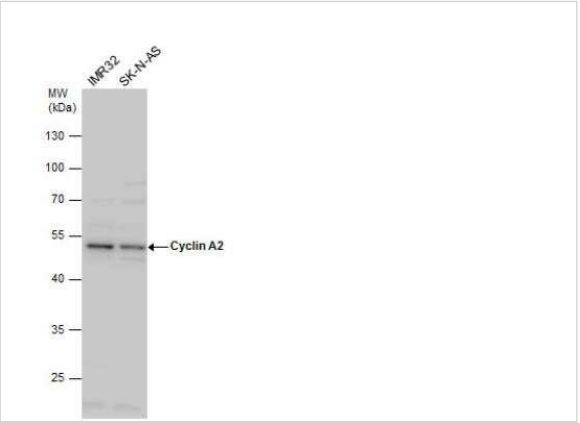
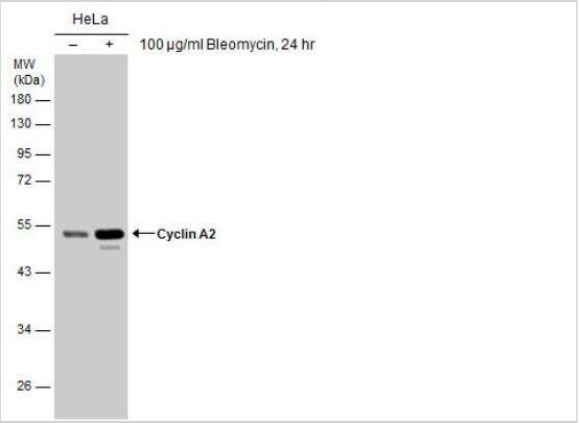
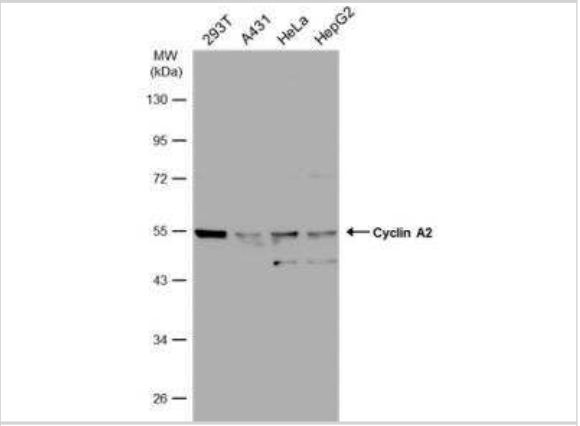
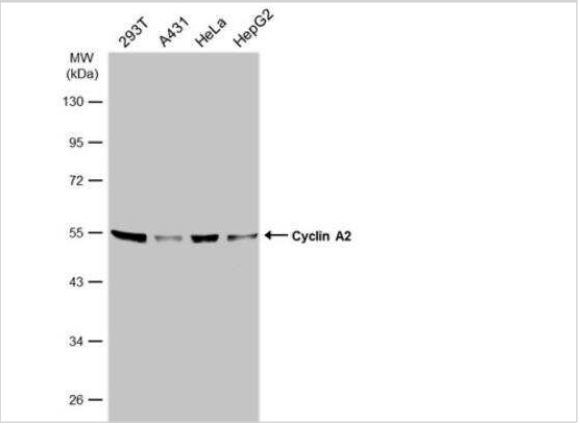


Western Blot: Cyclin A2 Antibody [NBP1-31330] - 30 ug Neuro2A whole cell lysate/extract 10% SDS-PAGE gel, antibody dilution 1:1000.

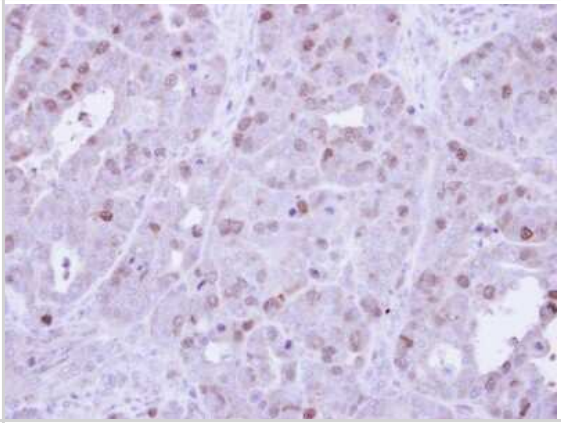


Western Blot: Cyclin A2 Antibody [NBP1-31330] - 30 ug PC-12 whole cell lysate/extract 10% SDS-PAGE gel, antibody dilution 1:1000.

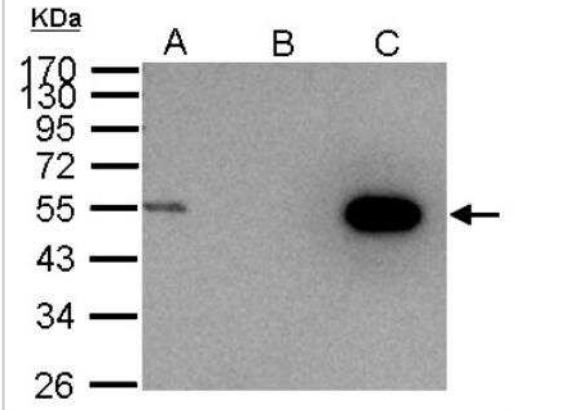


Western Blot: Cyclin A2 Antibody [NBP1-31330] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Cyclin A2 antibody diluted at a dilution of 1:1000.	
Western Blot: Cyclin A2 Antibody [NBP1-31330] - Untreated (-) and treated (+) HeLa whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Cyclin A2 antibody. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.	
Western Blot: Cyclin A2 Antibody [NBP1-31330] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Cyclin A2 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.	
Western Blot: Cyclin A2 Antibody [NBP1-31330] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Cyclin A2 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.	

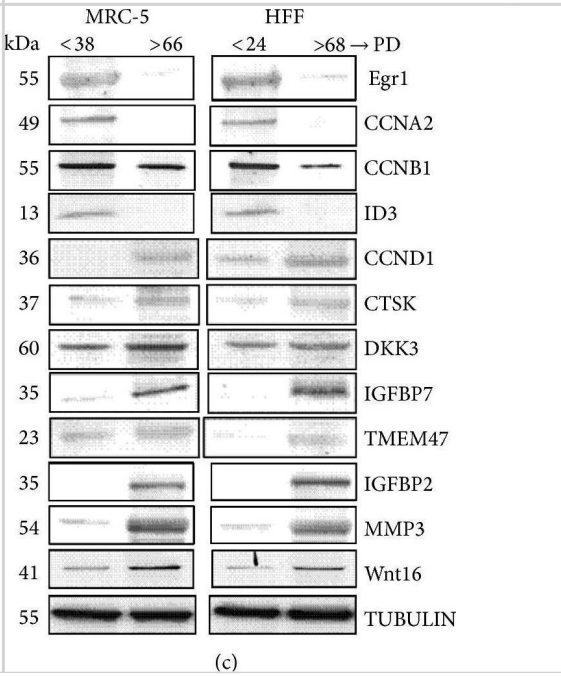
Immunohistochemistry-Paraffin: Cyclin A2 Antibody [NBP1-31330] - NCIN87 Xenograft, using cyclin A antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Immunoprecipitation: Cyclin A2 Antibody [NBP1-31330] - Sample: 1000 ug 293T whole cell lysate/extract A. 30 ug 293T whole cell lysate/extract, B. Control with 2. 5 ug of preimmune rabbit IgG, C. Immunoprecipitation of Cyclin A2 protein by 2. 5 ug of Cyclin A2 antibody 10% SDS-PAGE gel.



Western Blot: Cyclin A2 Antibody [NBP1-31330] - Comparison of expression changes between young & old MRC-5 & HFF fibroblasts measured by RNA-seq, qRT-PCR, & Western Blots. (a) Four genes commonly downregulated & (b) 8 genes commonly upregulated in both cell lines. (a, b) The colors of the bars indicate the measurement technique (blue: RNA-seq; green: qRT-PCR; red: Western Blots/protein expression). Solid colored bars represent MRC-5 while shaded boxes represent HFF cells. The height of the bars corresponds to the logarithmic fold-change (FC) of expression between the first & the last PD investigated here (RNA-seq: log 2 RPKM FC; qRT-PCR: log 2−ΔΔCT; protein: log 2 expression ratio). Error bars indicate standard deviation from the mean. Changes statistically different comparing young & old PD (RNA-seq: DESeq; rRT-PCR/Protein: Student's t-test; n = 3) are indicated with an asterisk: □p < 0.05, □□p < 0.01, & □□□p < 0.001. (c) The blots show the protein expression levels in MRC-5 & HFF cells at young compared to old PDs. The up- or downregulation was signified by the presence or absence of bands in Western Blots. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/26339636), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Baek SW, Mun JY, Jang IH et al. YAP1 activation is associated with the progression and response to immunotherapy of non-muscle invasive bladder cancer eBioMedicine 2022-07-01 [PMID: 35665684] (Immunoprecipitation, Western Blot, Block/Neutralize)

Kilgas S, Kiltie A, Ramadan K Immunofluorescence microscopy-based detection of ssDNA foci by BrdU in mammalian cells STAR Protocols 2021-12-01 [PMID: 34888531] (ICC/IF, Human)

Zanotti S, Kapetis D, Gibertini S et al. Botulinum toxin type A affects the transcriptome of cell cultures derived from muscle biopsies of controls and spastic patients. Toxicol In Vitro. 2018-03-06 [PMID: 29522793] (Human)

Sheng L, Jena PK, Hu Y et al. Hepatic inflammation caused by dysregulated bile acid synthesis is reversible by butyrate supplementation J. Pathol. 2017-09-11 [PMID: 28892150] (Mouse)

Marthandan S, Priebe S, Baumgart M et al. Similarities in Gene Expression Profiles during In Vitro Aging of Primary Human Embryonic Lung and Foreskin Fibroblasts. Biomed Res Int 2015-01-01 [PMID: 26339636] (WB, Human)

Pan J, Nakade K, Huang YC et al. Suppression of cell-cycle progression by Jun dimerization protein-2 (JDP2) involves downregulation of cyclin-A2. Oncogene 2010-11-01 [PMID: 20802531] (WB, Mouse)

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NBP1-98953-100ug	Recombinant Human Cyclin A2 His Protein

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