

Rabbit CCND1 Polyclonal Antibody | anti-CCND1 antibody

CCND1 antibody - N-terminal region

CATALOG # AAA197575	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat	APPLICATIONS Western Blot, Immunohistochemistry
-------------------------------	-----------------------	---	---

PRODUCT SYNONYMS

CCND1; Polyclonal Antibody; CCND1 antibody - N-terminal region; anti-CCND1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: KC EEEVFPLAMN YLDRFLSLEP VKKSRLQLLG ATCMFVASKM KETIPLTA
Sequence Length	295
Applicable Applications for anti-CCND1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Protein Size (#AA)	295 amino acids
Homology	Cow: 100%; Dog: 92%; Guinea Pig: 92%; Human: 100%; Mouse: 92%; Pig: 100%; Rabbit: 92%; Rat: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human CCND1
Preparation and Storage	For short term use, store at 2-8 degrees C up to 1 week. For long term storage, store at -20 degrees C in small aliquots to prevent freeze-thaw cycles.

IMAGES



SDS-PAGE

25 ug of the indicated Human whole cell extracts was loaded onto a 12% SDS-PAGE gel. 3 ug/mL of the antibody was used in this experiment.



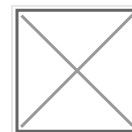
WB (Western Blot)

WB Suggested Anti-CCND1 antibody Titration: 1 ug/mL Sample Type: Human SH-SY5Y



WB (Western Blot)

WB Suggested Anti-CCND1 Antibody Titration: 0.2-1 ug/mL ELISA Titer: 1:12500 Positive Control: Human Liver



WB (Western Blot)

Host: Rabbit Target Name: CCND1 Sample Tissue: Human 293T Whole Cell Antibody Dilution: 1ug/ml



IHC (Immunohistochemistry)
Testis

ADDITIONAL INFORMATION

Related Product Information for anti-CCND1 antibody	This is a rabbit polyclonal antibody against CCND1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: CCND1 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout 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. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. CCND1 has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis. The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout 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. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-CCND1 antibody	Polyclonal; Cell Cycle Proteins; Disease Related; Meiosis/Mitosis/Cell Cycle; Immunohistochemistry; Phosphorylation; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	16950655
NCBI GeneID	595
NCBI Accession #	NP_444284
NCBI GenBank Nucleotide #	NM_053056
UniProt Accession #	P24385
Molecular Weight	34kDa
NCBI Official Full Name	G1/S-specific cyclin-D1
NCBI Official Synonym Full Names	cyclin D1
NCBI Official Symbol	CCND1
NCBI Official Synonym Symbols	BCL1; PRAD1; U21B31; D11S287E
NCBI Protein Information	G1/S-specific cyclin-D1
UniProt Protein Name	G1/S-specific cyclin-D1
UniProt Gene Name	CCND1
UniProt Synonym Gene Names	BCL1; PRAD1; BCL-1
UniProt Entry Name	CCND1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/ccnd1-antibody-western-blot-immunohistochemistry-elisa/197575>