

Rabbit anti-Human CCND2 Polyclonal Antibody | anti-CCND2 antibody

CCND2 Antibody (N-term)

CATALOG # AAA286587	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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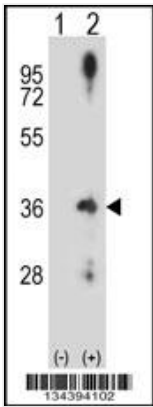
PRODUCT SYNONYMS

CCND2; Polyclonal Antibody; CCND2 Antibody (N-term); G1/S-specific cyclin-D2; anti-CCND2 antibody

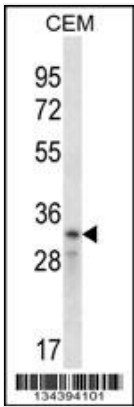
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CCND2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CCND2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1-30
Sequence Length	209
Applicable Applications for anti-CCND2 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of CCND2 (arrow) using rabbit polyclonal CCND2 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CCND2 gene.



WB (Western Blot)
CCND2 Antibody (N-term) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the CCND2 antibody detected the CCND2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CCND2 antibody	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. 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 and be involved in the phosphorylation of tumor suppressor protein Rb. Knockout studies of the homologous gene in mouse suggest the essential roles of this gene in ovarian granulosa and germ cell proliferation. High level expression of this gene was observed in ovarian and testicular tumors.
Product Categories/Family for anti-CCND2 antibody	Cancer; Cell biology
References	Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Park, T.J., et al. J. Hum. Genet. 55(7):416-420(2010) Kamatani, Y., et al. Nat. Genet. 42(3):210-215(2010) Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) : Kosmaczewska, A., et al. Oncol. Res. 18 (2-3), 127-131 (2009) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502617
NCBI GeneID	894
NCBI Accession #	NP_001750.1
NCBI GenBank Nucleotide #	NM_001759.3
UniProt Accession #	P30279; Q13955; Q5U035; A8K531
Molecular Weight	33067
NCBI Official Full Name	G1/S-specific cyclin-D2
NCBI Official Synonym Full Names	cyclin D2

NCBI Official Symbol	CCND2
NCBI Official Synonym Symbols	MPPH3; KIAK0002
NCBI Protein Information	G1/S-specific cyclin-D2
UniProt Protein Name	G1/S-specific cyclin-D2
UniProt Gene Name	CCND2
UniProt Entry Name	CCND2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ccnd2-antibody-western-blot-elisa/286587>