

AP12304PU-N**Polyclonal Antibody to Cyclin D1 (N-term) - Purified**

Alternate names:	BCL-1 oncogene, BCL1, CCND1, Cyclin-D1, G1/S-specific cyclin-D1, PRAD-1 oncogene, PRAD1
Quantity:	0.4 ml
Concentration:	lot specific
Background:	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. 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 the gene encoding this protein, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis.
Uniprot ID:	P24385
NCBI:	9606
GenEID:	595
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human CCND1.
Format:	State: Liquid purified Ig fraction. Purification: Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. Buffer System: PBS with 0.09% (W/V) Sodium Azide as preservative.
Applications:	ELISA: 1/1,000. Western Blot: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects CCND1 (N-term). Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

General Readings:

1. He, Y.Y., *Cancer Res.* 68 (10), 3752-3758 (2008)
2. Marsit, C.J., *Clin. Cancer Res.* 14 (8), 2371-2377 (2008)
3. Caldon, C.E., *Cancer Res.* 68 (8), 3026-3036 (2008)

Pictures:

Western blot analysis of anti-CCND1 (N-term) (Cat.#AP12304PU-N) in mouse lung tissue lysates (35ug/lane). CCND1 (arrow) was detected using the purified Pab (1:60 dilution).

