

Ccnd1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11618**Specification**

Ccnd1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P25322
Other Accession	NM_007631 , NP_031657
Reactivity	Human, Mouse, Rat, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33kDa KDa

Ccnd1 antibody - C-terminal region - Additional Information**Gene ID** 12443**Alias Symbol** AI327039, Cyl-1, PRAD1, bcl-1, cD1**Other Names**

G1/S-specific cyclin-D1, Ccnd1, Cyl-1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Ccnd1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Ccnd1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Ccnd1 antibody - C-terminal region - Protein Information**Name** Ccnd1**Synonyms** Cyl-1**Function**

Regulatory component of the cyclin D1-CDK4 (DC) complex that phosphorylates and inhibits members of the retinoblastoma (RB) protein family including RB1 and regulates the cell-cycle during G(1)/S transition. Phosphorylation of RB1 allows dissociation of the transcription factor E2F from the RB/E2F complex and the subsequent transcription of E2F target genes which are responsible for the progression through the G(1) phase. Hypophosphorylates RB1 in early G(1) phase. Cyclin D-CDK4 complexes are major integrators of various mitogenic and antimitogenic signals. Also a substrate for SMAD3, phosphorylating SMAD3 in a cell-cycle-dependent manner and

repressing its transcriptional activity. Component of the ternary complex, cyclin D1/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex. Exhibits transcriptional corepressor activity with INSM1 on the NEUROD1 and INS promoters in a cell cycle-independent manner.

Cellular Location

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:P24385}. Nucleus membrane {ECO:0000250|UniProtKB:P24385}. Note=Cyclin D-CDK4 complexes accumulate at the nuclear membrane and are then translocated into the nucleus through interaction with KIP/CIP family members {ECO:0000250|UniProtKB:P24385}

Tissue Location

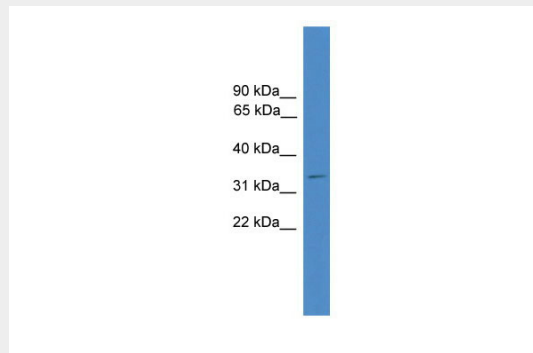
Expressed in the intestinal epithelium.

Ccnd1 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Ccnd1 antibody - C-terminal region - Images



WB Suggested Anti-Ccnd1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Mouse Small Intestine