

**Anti-CCND2 / Cyclin D2 Antibody**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18584****Specification****Anti-CCND2 / Cyclin D2 Antibody - Product Information**

Application	WB, IHC-P, IF
Primary Accession	<a href="#">P30279</a>
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	33067

**Anti-CCND2 / Cyclin D2 Antibody - Additional Information****Gene ID** 894**Alias Symbol** CCND2**Other Names**

CCND2, KIAK0002, G1/S-specific cyclin D2, G1/S-specific cyclin-D2, Cyclin D2

**Target/Specificity**

Human CCND2 / Cyclin D2

**Reconstitution & Storage**

Affinity purified

**Precautions**

Anti-CCND2 / Cyclin D2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-CCND2 / Cyclin D2 Antibody - Protein Information****Name** CCND2 {ECO:0000303|PubMed:1386336, ECO:0000312|HGNC:HGNC:1583}**Function**

Regulatory component of the cyclin D2-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 (PubMed: [18827403](http://www.uniprot.org/citations/18827403), PubMed: [8114739](http://www.uniprot.org/citations/8114739)). 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 (PubMed: [18827403](http://www.uniprot.org/citations/18827403), PubMed: [8114739](http://www.uniprot.org/citations/8114739)).

Hypophosphorylates RB1 in early G(1) phase (PubMed: [18827403](http://www.uniprot.org/citations/18827403), PubMed: [18827403](http://www.uniprot.org/citations/18827403), PubMed: [18827403](http://www.uniprot.org/citations/18827403)).

[8114739](http://www.uniprot.org/citations/8114739)). Cyclin D-CDK4 complexes are major integrators of various mitogenic and antimitogenic signals (PubMed:[18827403](http://www.uniprot.org/citations/18827403), PubMed:[8114739](http://www.uniprot.org/citations/8114739)).

#### **Cellular Location**

Nucleus. Cytoplasm. Nucleus membrane. Note=Cyclin D-CDK4 complexes accumulate at the nuclear membrane and are then translocated into the nucleus through interaction with KIP/CIP family members

#### **Anti-CCND2 / Cyclin D2 Antibody - 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](#)

#### **Anti-CCND2 / Cyclin D2 Antibody - Images**