10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CCND2 / Cyclin D2 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17377

Specification

Anti-CCND2 / Cyclin D2 Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P30279
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
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
PBS, 0.1% sodium azide, 50% glycerol. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

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:8114739, PubMed:18827403). 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:8114739, PubMed:18827403). Hypophosphorylates RB1 in early G(1) phase (PubMed:8114739, PubMed:<a

href="http://www.uniprot.org/citations/18827403" target="_blank">18827403). Cyclin D-CDK4 complexes are major integrators of various mitogenenic and antimitogenic signals (PubMed:8114739, PubMed:18827403).

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 Cytomety
- Cell Culture

Anti-CCND2 / Cyclin D2 Antibody - Images