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

Product Information

Application	WB, IHC-P
Primary Accession	P30279
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33067
Concentration (mg/ml)	1 mg/ml

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.

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, PubMed: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, PubMed:8114739). Hypophosphorylates RB1 in early G(1) phase (PubMed:18827403, PubMed:8114739). Cyclin D-CDK4 complexes are major integrators of various mitogenenic and antimitogenic signals (PubMed:18827403, PubMed: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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.