

# Cyclin D3 Rabbit mAb

Catalog # AP77289

## Product Information

Application	WB, IF, FC, ICC
Primary Accession	<a href="#">P30281</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Cyclin D3
Purification	Affinity Chromatography
Calculated MW	32520

## Additional Information

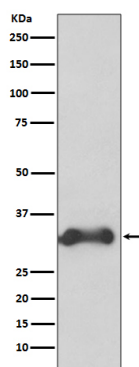
Gene ID	896
Other Names	CCND3
Dilution	WB~~1/500-1/1000 IF~~1:50~200 FC~~1:10~50 ICC~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

Name	CCND3 {ECO:0000303   PubMed:1386336, ECO:0000312   HGNC:HGNC:1585}
Function	Regulatory component of the cyclin D3-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: <a href="#">8114739</a> ). 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: <a href="#">8114739</a> ). Hypophosphorylates RB1 in early G(1) phase (PubMed: <a href="#">8114739</a> ). Cyclin D- CDK4 complexes are major integrators of various mitogenic and antimitogenic signals (PubMed: <a href="#">8114739</a> ). Component of the ternary complex, cyclin D3/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex (PubMed: <a href="#">16782892</a> ). Shows transcriptional coactivator activity with ATF5 independently of CDK4 (PubMed: <a href="#">15358120</a> ).

## Images

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