

Cyclin D3 Antibody

Rabbit mAb

Catalog # AP90828

Product Information

Application	WB, IF, FC, ICC
Primary Accession	P30281
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	CCND 3; Ccnd3; CyclinD3; D3 type cyclin; G1 S specific cyclin D3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	32520

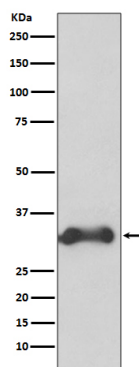
Additional Information

Dilution	WB 1:1000~1:2000 ICC/IF 1:50~1:200 FC 1:30
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Cyclin D3
Description	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 G1/S transition.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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: 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: 8114739). Hypophosphorylates RB1 in early G(1) phase (PubMed: 8114739). Cyclin D- CDK4 complexes are major integrators of various mitogenic and antimitogenic signals (PubMed: 8114739). Component of the ternary complex, cyclin D3/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex (PubMed: 16782892). Shows transcriptional coactivator activity with ATF5 independently of CDK4 (PubMed: 15358120).
Cellular Location	Nucleus. Cytoplasm

Images



Western blot analysis of Cyclin D3 expression in K562 cell lysate.

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