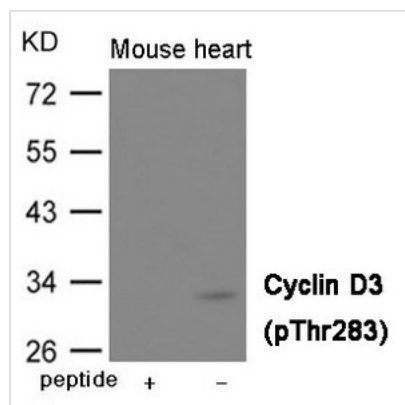




Phospho-CCND3 (Thr283) Antibody

Product Code	CSB-PA231499
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P30281
Immunogen	Peptide sequence around phosphorylation site of Threonine 283(T-S-T(p)-P-T) derived from Human Cyclin D3.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of Cyclin D3 only when phosphorylated at Threonine 283.
Tested Applications	ELISA,WB;WB:1:500-1:1000
Relevance	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. 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 G1 phase. Hypophosphorylates RB1 in early G1 phase. Cyclin D-CDK4 complexes are major integrators of various mitogenenic and antimitogenic signals. Also substrate for SMAD3, phosphorylating SMAD3 in a cell-cycle-dependent manner and repressing its transcriptional activity. Component of the ternary complex, cyclin D3/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex.
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi
Clonality	Polyclonal
Alias	CCND3
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	CCND3
Image	



Western blot analysis of extracts from Mouse heart tissue using Cyclin D3 (Phospho-Thr283) Antibody. The lane on the left is treated with the antigen-specific peptide.

Product Modify

Phospho-Thr283