

R Cdk4 Antibody (C-term)

Catalog_no :	AB2861
Reactivity :	Rat
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	Rat:272-303
Specificity :	This Rat Cdk4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 272-303 amino acids from the C-terminal region of rat Cdk4.
Dilution :	IHC-P,1:25;IHC-P,1:25;IF,1:25;WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	Cyclin-dependent kinase 4, Cell division protein kinase 4, PSK-J3, Cdk4
Isotype :	Rabbit Ig
Background :	Ser/Thr-kinase component of cyclin D-CDK4 (DC) complexes that phosphorylate and inhibit members of the retinoblastoma (RB) protein family including RB1 and regulate the cell-cycle during G(1)/S transition. Phosphorylation of RB1 allows dissociation of the transcription factor E2F from the RB/E2F complexes and the subsequent transcription of E2F target genes which are responsible for the progression through the G(1) phase. Hypophosphorylates RB1 in early G(1) phase. Cyclin D-CDK4 complexes are major integrators of various mitogenic and antimitogenic signals. Also phosphorylates SMAD3 in a cell-cycle-dependent manner and represses its transcriptional activity. Component of the ternary complex, cyclin D/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex (By similarity).
reference :	Cho F.S., et al. Biochem. Biophys. Res. Commun. 191:860-865(1993).