

CDK4 Antibody FITC Conjugated

Catalog No: #C00362F

Package Size: #C00362F 100ul

Description

Product Name	CDK4 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 250-303 303 derived from human CDK4
Conjugates	FITC
Target Name	CDK4
Other Names	CMM3; PSK-J3; Cyclin-dependent kinase 4; Cell division protein kinase 4; CDK4
Accession No.	Swiss-Prot#P11802NCBI Gene ID1019
Cell Localization	Cytoplasm, Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

Flow-Cyt=1:50-200 ICC=1:50-200 IF=1:50-200

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.