

Cyclin D2 Antibody FITC Conjugated

Catalog No: #C01247F

Package Size: #C01247F 100ul

Description

Product Name	Cyclin D2 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	Flow-Cyt,IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 150-200 288 derived from human Cyclin D2
Conjugates	FITC
Target Name	Cyclin D2
Other Names	MPPH3; KIAK2; G1 S-specific cyclin-D2; CCND2
Accession No.	Swiss-Prot#P30279NCBI Gene ID894
Cell Localization	Cytoplasm, Nucleus, Membrane bound
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 IF=1:50-200

Background

Regulatory component of the cyclin D2-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. 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.

Hypophosphorylates RB1 in early G(1) phase. Cyclin D-CDK4 complexes are major integrators of various mitogenic 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 D2 CDK4 CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex (By similarity).

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