CCND2 Antibody

PACO43132

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:5000, IHC:1:20-1:500, IF:1:50-1:200

Protein 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 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 D2/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex.

Gene ID:

CCND2

Uniprot

P30279

Synonyms:

G1/S-specific cyclin-D2, CCND2

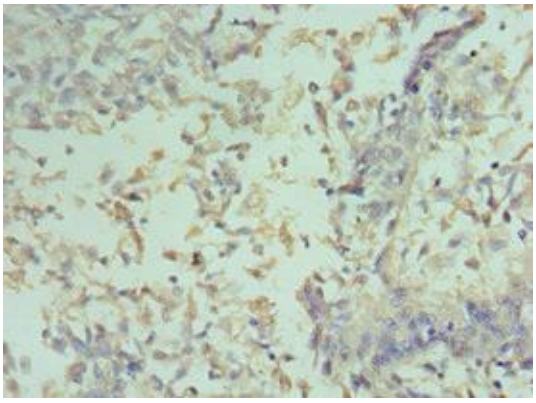
Immunogen:

Recombinant Human G1/S-specific cyclin-D2 protein (1-289AA).

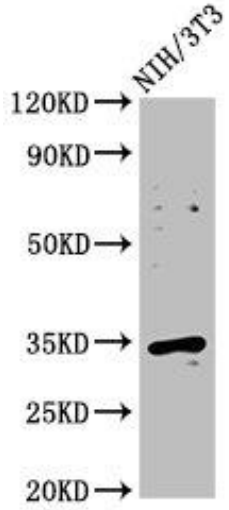
Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

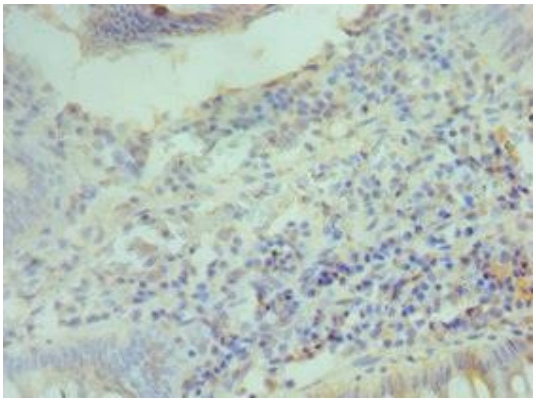
Product Images



Immunohistochemistry of paraffin-embedded human cervical cancer using PACO43132 at dilution of 1:100.



Western Blot. Positive WB detected in: NIH/3T3 whole cell lysate. All lanes: CCND2 antibody at 2.25µg/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 34 kDa. Observed band size: 34 kDa.



Immunohistochemistry of paraffin-embedded human colon cancer using PACO43132 at dilution of 1:100.

