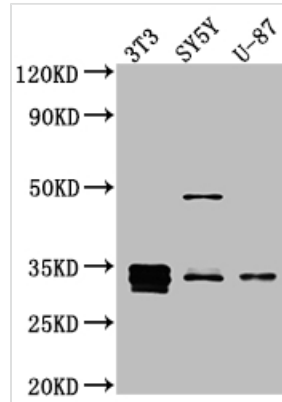




# CCND1 Recombinant Monoclonal Antibody

|                            |   |
|----------------------------|---|
| <b>Product Code</b>        | CSB-RA616025A0HU  |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.   |
| <b>Uniprot No.</b>         | P24385  |
| <b>Immunogen</b>           | A synthesized peptide derived from human Cyclin D1  |
| <b>Species Reactivity</b>  | Human, Mouse  |
| <b>Tested Applications</b> | ELISA, WB; Recommended dilution: WB:1:500-1:5000  |
| <b>Relevance</b>           | <p>Regulatory component of the cyclin D1-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 D1/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex. Exhibits transcriptional corepressor activity with INSM1 on the NEUROD1 and INS promoters in a cell cycle-independent manner.</p> |
| <b>Form</b>                | Liquid  |
| <b>Conjugate</b>           | Non-conjugated  |
| <b>Storage Buffer</b>      | Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.   |
| <b>Purification Method</b> | Affinity-chromatography   |
| <b>Isotype</b>             | Rabbit IgG  |
| <b>Clonality</b>           | Monoclonal  |
| <b>Product Type</b>        | Recombinant Antibody  |
| <b>Immunogen Species</b>   | Homo sapiens (Human)  |
| <b>Research Area</b>       | Epigenetics and Nuclear Signaling; Cancer; Cell biology   |
| <b>Target Names</b>        | CCND1   |
| <b>Clone No.</b>           | 5D8   |
| <b>Image</b>               |   |

**Western Blot**

Positive WB detected in: NIH/3T3 whole cell lysate, SH-SY5Y whole cell lysate, U-87 whole cell lysate

All lanes: Cyclin D1 antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 34 kDa

Observed band size: 34 kDa

**Usage**

For Research Use Only. Not for use in diagnostic or therapeutic procedures.