

## Anti-Cyclin D3/CCND3 Antibody

Catalog Number: A01744-3

### About CCND3

CCND3, also called Cyclin D3, is a protein that in humans is encoded by the CCND3 gene. It is mapped to 6p21.1. The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. In addition, overexpression of CCND3 upregulated the translational activity in HeLa cells in a dose-dependent manner.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Cyclin D3/CCND3 Antibody   |
| Reactive Species     | Human, Rat  |
| Description          | Boster Bio Anti-Cyclin D3/CCND3 Antibody catalog # A01744-3. Tested in WB, IHC, ICC, IF, IP, ELISA applications. This antibody reacts with Human, Rat.  |
| Application          | ELISA, IP, IF, IHC, ICC, WB   |
| Clonality            | Polyclonal  |
| Formulation          | 500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol<br>*This antibody is supplied in a stabilized formulation.<br>Compatibility with conjugation reactions depends on the chemistry of the conjugation method used.<br>For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | 12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.  |
| Host                 | Rabbit  |
| Uniprot ID           | P30281  |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E.coli-derived human Cyclin D3/CCND3 recombinant protein (Position: E245-L292). |
| Form                | Liquid  |
| Concentration       | 500 ug/ml   |
| Purification        | Immunogen affinity purified.  |
| Suggested Dilutions | Western blot, 1:500-2000  |

Immunohistochemistry, 1:50-400  
Immunocytochemistry/Immunofluorescence, 1:50-400  
Immunoprecipitation, 1:50  
ELISA, 1:100-1000

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