

Cyclin D3 Monoclonal Antibody

Catalog No. E-AB-27671

Note: Centrifuge before opening to ensure complete recovery of vial contents.

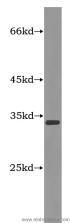
Description

| | |
|---------------------|--|
| Reactivity | Human |
| Immunogen | Fusion Protein of Cyclin D3 |
| Host | Mouse |
| Isotype | IgG1 |
| Clone | Clone:1F2C6 |
| Purification | Protein G purification |
| Conjugation | Unconjugated |
| Buffer | PBS with 0.02% sodium azide, 50% glycerol, PH7.3 |

Applications Recommended Dilution

**WB 1:1000-1:10000,
IHC 1:50-1:500**

Data



Western Blot analysis of Raji cells using Cyclin D3 Monoclonal Antibody at dilution of 1:4000

**Observed Mw:33-35kDa
Calculated Mw:33kDa**

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Cyclin D3 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. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation.

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