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## Cyclin D1 Antibody

**Subcategory:** Rabbit Polyclonal Antibody

**Cat. No.:** 252030

**Unit:** 0.1 mg

### Description:

G1/S-specific cyclin-D1 (cyclin D1) is essential for the control of the cell cycle at the G1/S (start) transition. Cyclin D1 interacts with the CDK4 and CDK6 protein kinases to form a serine/threonine kinase holoenzyme complex. The cyclin subunit imparts substrate specificity to the complex. Cyclin D1 interacts with FBXO4 and CDKN1B. Cyclin D1 is ubiquitinated, primarily as 'Lys-48'-linked polyubiquitination, by a SCF (SKP1-CUL1-F-box protein) ubiquitin-protein ligase complex containing FBXO4 and CRYAB. Defects in cyclin D1 are a cause of multiple myeloma (MM). MM is a malignant tumor of plasma cells usually arising in the bone marrow and characterized by diffuse involvement of the skeletal system, hyperglobulinemia, Bence-Jones proteinuria and anemia.

**Isotype:** Rabbit Ig

**Applications:** E, WB

**Species Reactivity:** H, M, R

**Format:** Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

**Alternate Names:** Cyclin D1; G1/S-specific cyclin-D1; PRAD1 oncogene; BCL-1 oncogene; BCL1; PRAD1

**Accession No.:** P24385

**Antigen:** KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human cyclin D 1.

**Application Notes:** E: 1:10,000-1:40,000; WB: 1:500-1:1,000

**Storage:** Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.