Cyclin D1 Rabbit pAb

Catalog No.: A1301 26 Publications



Basic Information

Observed MW

36kDa

Calculated MW

34kDa

Category

Primary antibody

Applications

WB,IF/ICC,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout 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 tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of human cancers.

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

IP 0.5μg-4μg antibody for 200μg-400μg extracts of

whole cells

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID595

Swiss Prot
P24385

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

BCL1; PRAD1; U21B31; D11S287E; Cyclin D1

Contact

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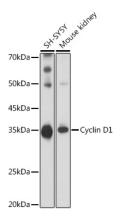
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

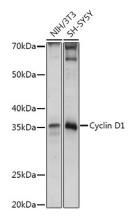


Western blot analysis of various lysates using Cyclin D1 Rabbit pAb (A1301) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: $25\mu g$ per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



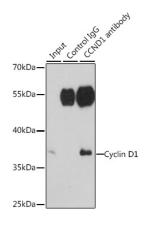
Western blot analysis of various lysates using Cyclin D1 Rabbit pAb (A1301) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit $\lg G (H+L) (AS014)$ at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 2s.



Immunoprecipitation analysis of 200 μg extracts of HepG2 cells, using 3 μg Cyclin D1 antibody (A1301). Western blot was performed from the immunoprecipitate using Cyclin D1 antibody (A1301) at a dilution of 1:1000.