

Cyclin D1(Phospho Thr286) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15134
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Cyclin D1 around the phosphorylation site of Thr286. AA range:246-295
Mol wt	33729
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	G1/S-specific cyclin-D1
Synonyms	G1/S-specific cyclin-D1; CCND1; BCL1; PRAD1; G1/S-specific cyclin-D1; B-cell lymphoma 1 protein; BCL-1; BCL-1 oncogene; PRAD1 oncogene

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 tumors and may contribute to tumorigenesis.

Recommended Dilution

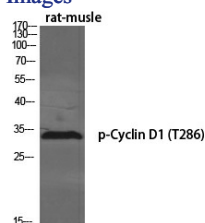
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

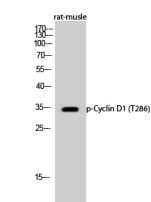
ELISA: 1: 10000

Not yet tested in other applications.

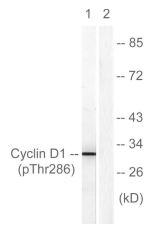
Images



Western Blot analysis of various cells using Phospho-Cyclin D1 (T286) Polyclonal Antibody diluted at 1:500



Western Blot analysis of rat-muscle cells using Phospho-Cyclin D1 (T286) Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from Jurkat cells treated with EGF 200ng/ml 30', using Cyclin D1 (Phospho-Thr286) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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