

Product overview

product name	Anti CCND1 polyclonal antibody
catalog No.	ATP008
Category	Primary antibody
Host	Rabbit
Species specificity	Human, other species was not test
Tested applications	ICC: 1:50~200, IHC: 1:50~100
Clonality	Polyclonal
Conjugation	Unconjugated
Immunogen	Recombinant protein of human CCND1 (Lue65-Arg245).
Alternative Names	G1/S-specific cyclin-D1, CCND1, B-cell lymphoma 1 protein, BCL-1, BCL-1 oncogene, PRAD1 oncogene
Uniprot ID	P24385

Product performance

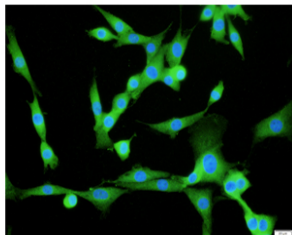
Form	Liquid
Buffer	PBS, pH 7.4, containing 0.05% proclin300, 50% glycerol.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4°C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
Concentration	0.63mg/ml
Isotype	IgG
MW	34kDa
Purity	Antigen affinity purification

Dilution range

ICC, IHC

Product experiment picture





Immunofluorescent analysis of NIH/3T3 cells using CCND1 antibody at dilution of 1:50 and Alexa Fluor-488 conjugated Affinipure Goat anti rabbit IgG(H+L).

Reference

PMID: 9106657;PMID:15241418;PMID:16569215;PMID:18417529

Product background

CCND1 (cyclin D1), also known as PRAD1 or BCL1, belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. CCND1 forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. The CCND1 gene, located on 11q13 has been reported to be overexpressed in mantle cell lymphoma (MCL) due to the chromosomal translocation. CCND1 has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Over-expression of CCND1 is known to correlate with the early onset of cancer and risk of tumor progression and metastasis.

