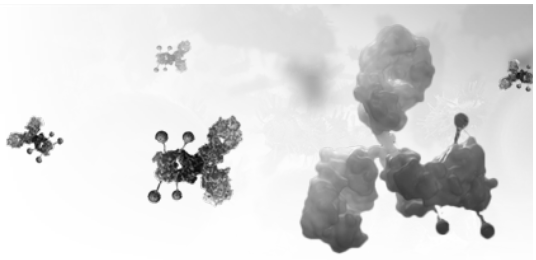

Rabbit Anti-Human CCND1 Polyclonal Antibody (CABT-L2066)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Cyclin D1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against CCND1. It has been selected for its ability to recognize CCND1 in immunohistochemical staining and western blotting.
Target	CCND1
Immunogen	Recombinant fragment corresponding to human CCND1 (Met1~Ile295)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

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Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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. [provided by RefSeq, Jul 2008]
Keywords	CCN-D1;BCL1;PRAD1;U21B31;G1/S-Specific Cyclin-D1;Parathyroid Adenomatosis 1;B-Cell CLL/Lymphoma 1;G1/S-Specific Cyclin D1;PRAD1 oncogene

GENE INFORMATION

Gene Name	CCND1 cyclin D1 [Homo sapiens (human)]
Official Symbol	CCND1
Synonyms	CCND1; cyclin D1; BCL1; PRAD1; U21B31; D11S287E; G1/S-specific cyclin-D1; BCL-1 oncogene; PRAD1 oncogene; B-cell CLL/lymphoma 1; B-cell lymphoma 1 protein;
Entrez Gene ID	595
Protein Refseq	NP_444284
UniProt ID	P24385
Chromosome Location	11q13
Pathway	AMPK signaling pathway; ATF-2 transcription factor network; Acute myeloid leukemia; Androgen receptor signaling pathway; Bladder cancer; C-MYB transcription factor network; Cell Cycle; Cell Cycle, Mitotic;
Function	cyclin-dependent protein serine/threonine kinase regulator activity; enzyme binding; histone deacetylase binding; proline-rich region binding; protein binding; protein complex binding;

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protein kinase activity; protein kinase binding; transcription corepressor activity; transcription factor binding;

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