



Catalog: OM105163

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# Rabbit anti-CCND1 polyclonal antibody - middle region

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☐ 100ug

## Product profile

Product name	Rabbit anti-CCND1 polyclonal antibody - middle region
Antibody Type	Primary Antibodies
Immunogen	The immunogen for anti-CCND1 antibody: synthetic peptide directed towards the middle region of human CCND1

## Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB
Species Reactivity	Bovine Dog Horse Human
Concentration	1 mg/ml
Purification	Affinity purified

## Target Information

Gene Symbol	CCND1
Gene Synonyms	BCL1; D11S287E; PRAD1; U21B31
Gene Full Name	Cyclin D1
Gene Summary	CCND1 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. CCND1 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. The protein encoded by this gene belongs

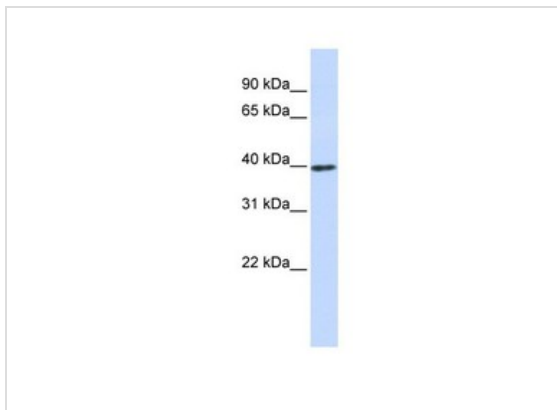
s to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

<b>Alternative Names</b>	BCL1, D11S287E, PRAD1, U21B31
<b>Molecular Weight(MW)</b>	34kDa
<b>Sequence</b>	295 amino acids

## Database Links

<b>Entrez Gene</b>	595
<b>SwissProt ID</b>	P24385
<b>Protein Accession</b>	NP_444284

## Application



**Western blot**  
0.2-1 ug/ml  
ELISA Titer: 1:62500  
Positive Control: 721\_B cell lysate

<b>Application Notes</b>	<b>WB:</b> 1:500~1:2000 <b>Notes:</b> Optimal dilutions/concentrations should be determined by the researcher.
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## Additional Information

<b>Form</b>	Liquid
<b>Storage Instructions</b>	Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles
<b>Storage Buffer</b>	phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Note</b>	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

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