

Rabbit CCND3 Polyclonal Antibody | anti-CCND3 antibody

CCND3 Antibody (C-term S274)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288002	Rabbit	Human, mouse (Predicted Reactivity: Bovine)	ELISA, Western Blot

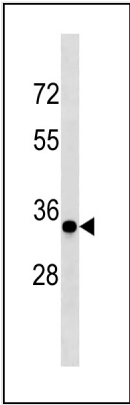
PRODUCT SYNONYMS

CCND3; Polyclonal Antibody; CCND3 Antibody (C-term S274); G1/S-specific cyclin-D3; anti-CCND3 antibody

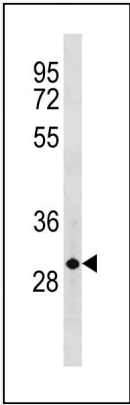
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CCND3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 252-281 amino acids from the C-terminal region of human CCND3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	252-281
Sequence Length	211
Applicable Applications for anti-CCND3 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
CCND3 Antibody (C-term S274) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the CCND3 antibody detected the CCND3 protein (arrow).



WB (Western Blot)
CCND3 Antibody (C-term S274) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the CCND3 antibody detected the CCND3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CCND3 antibody	Regulatory component of the cyclin D3-CDK4 (DC) complex that phosphorylates and inhibits members of the retinoblastoma (RB) protein family including RB1 and regulates the cell-cycle during G(1)/S transition. Phosphorylation of RB1 allows dissociation of the transcription factor E2F from the RB/E2F complex and the subsequent transcription of E2F target genes which are responsible for the progression through the G(1) phase. Hypophosphorylates RB1 in early G(1) phase. Cyclin D-CDK4 complexes are major integrators of various mitogenic and antimitogenic signals. Also substrate for SMAD3, phosphorylating SMAD3 in a cell-cycle-dependent manner and repressing its transcriptional activity. Component of the ternary complex, cyclin D3/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex.
Product Categories/Family for anti-CCND3 antibody	Cancer; Cell Biology; Developmental Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	209862835
NCBI GeneID	896
NCBI Accession #	NP_001129489.1; NP_001129597.1; NP_001129598.1; NP_001751.1
NCBI GenBank Nucleotide #	NM_001136017.3
UniProt Accession #	P30281; Q5T8J0; Q6FG62; Q96F49; B2RD63; B3KQ22; E9PAS4; E9PB36
Molecular Weight	32520
NCBI Official Full Name	G1/S-specific cyclin-D3 isoform 1
NCBI Official Synonym Full Names	cyclin D3
NCBI Official Symbol	CCND3
NCBI Protein Information	G1/S-specific cyclin-D3
UniProt Protein Name	G1/S-specific cyclin-D3
UniProt Gene Name	CCND3
UniProt Entry Name	CCND3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

