

Rabbit Cyclin D3 (Phospho-Thr283) Polyclonal Antibody | anti-CCND3 antibody

Cyclin D3 (Phospho-Thr283) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285355	Rabbit	Human, mouse, rat	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Cyclin D3 (Phospho-Thr283); Polyclonal Antibody; Cyclin D3 (Phospho-Thr283) Antibody; G1/S-specific cyclin-D3; CCND3; anti-CCND3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	96
Applicable Applications for anti-CCND3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	synthetic peptide
Antigen Source	HUMAN
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



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Cyclin D3 (Phospho-Thr283) Antibody (#A0418).



WB (Western Blot)

Western blot analysis of extracts from K562 cells treated with UV (5mins), using Cyclin D3 (Phospho-Thr283) Antibody (#A0418).

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	Phospho Antibodies

References	Xiong Y.,et al.Genomics 13:575-584(1992). Motokura T.,et al.J. Biol. Chem. 267:20412-20415(1992). Li W.B.,et al.Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004). Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209862835
NCBI GeneID	896
NCBI Accession #	NP_001129489.1
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.