

DNAXPab

Hard-to-Find
Antibody

CCND3 DNAXPab

Catalog # H00000896-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CCND3 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MELLCCEGTRHAPRAGDPRL LGDQRVLQSLRL EERYVPRASYFQCVQREIKPHMRKMLAYW MLEVCEEQRCEEEVFPLAMNYLD RYLSCVPTRKAQLQLLGAVCM LLASKLRETTPLTIEKLCIYTD HAVSPRQLRDWEVLVLGKLKWDLA AVIAHDFLAFILHRLSLPRDRQALVKKHAQTFLALCATDYTF AMYPPSMIATGSIGAAVQGLGACSM SGDELTELLAGITGTEVDCLRACQEQIEAALRESLREASQT SSSPAPKAPRGSSSQGPSQTSTPTDVT AIHL
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CCND3

Entrez GeneID [896](#)

GeneBank Accession# [NM_001760.2](#)

Protein Accession# [NP_001751.1](#)

Gene Name CCND3

Gene Alias -

Gene Description cyclin D3

Omim ID [123834](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through 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 and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations D3-type cyclin|G1/S-specific cyclin D3|OTTHUMP00000016390

Pathway

- [Cell cycle](#)
- [Focal adhesion](#)
- [Jak-STAT signaling pathway](#)
- [p53 signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cerebral Amyloid Angiopathy](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neuroblastoma](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)