

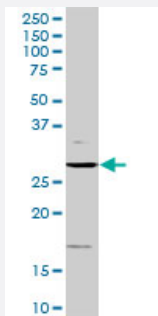
MaxPab®

CCND3 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000896-D01P

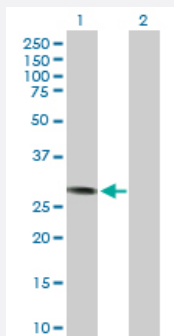
Size 100 ug

Applications



Western Blot (Cell lysate)

CCND3 MaxPab rabbit polyclonal antibody. Western Blot analysis of CCND3 expression in Jurkat.

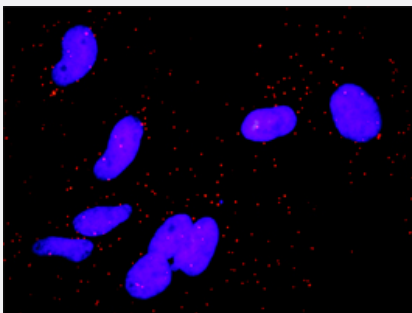


Western Blot (Transfected lysate)

Western Blot analysis of CCND3 expression in transfected 293T cell line ([H00000896-T01](#)) by CCND3 MaxPab polyclonal antibody.

Lane 1: CCND3 transfected lysate(32.50 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between CCND3 and AREG. HeLa cells were stained with anti-CCND3 rabbit purified polyclonal 1:1200 and anti-AREG mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CCND3 protein.

Immunogen	CCND3 (NP_001751.1, 1 a.a. ~ 292 a.a) full-length human protein.
Sequence	MELLCCEGTRHAPRAGPDPRLLDQQRVLQSLRLLEERYVPRASYFQCVQREIKPHMRKMLAYW MLEVCEEQRCEEEVFPLAMNYLDRLSCVPTRKAQLQLLGAVCMLLASKLRETTPLTIEKLCIYTD HAVSPRQLRDWEVLVLGKLKWDLAAVIAHDFLAFILHRLSLPRDRQALVKKHAQTFLALCATDYTF AMYPPSMIATGSGIAAVQGLGACSMGDELTELLAGITGTEVDCLRACQEQIEAALRESLREASQT SSSPAPKAPRGSSSQGPSQTSTPTDVTAIHL
Host	Rabbit
Reactivity	Human
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 (Cell lysate)

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[Protocol Download](#)

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Gene Info — CCND3

Entrez GeneID

[896](#)

GeneBank Accession#

[NM_001760](#)

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

Publication Reference

- [Myeloid leukemia factor-1 is a novel modulator of neonatal rat cardiomyocyte proliferation.](#)

Rangrez AY, Pott J, Kluge A, Frauen R, Stiebeling K, Hoppe P, Sossalla S, Frey N, Frank D.

Biochimica et Biophysica Acta 2017 Jan; 1864(4):634.

Application: WB, Rat, Neonatal rat cardiomyocytes (NRVCMs)

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](#)