

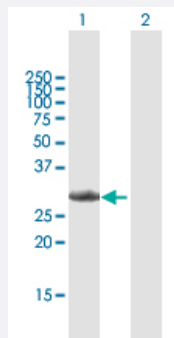
MaxPab®

CCND3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000896-B01P

Size 50 ug

Applications

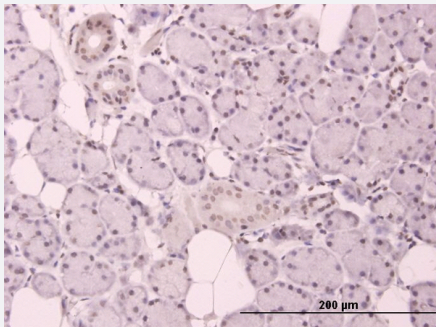


Western Blot (Transfected lysate)

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

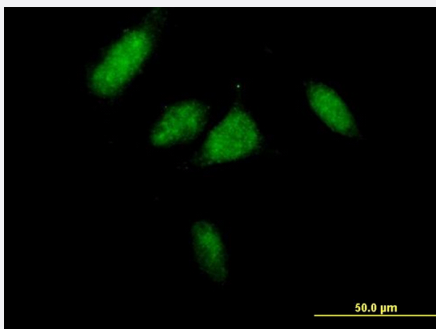
Lane 1: CCND3 transfected lysate (32.12 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of purified MaxPab antibody to CCND3 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CCND3 on HeLa cell. [antibody concentration 7 ug/ml]

Specification

Product Description

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

Immunogen	CCND3 (NP_001751, 1 a.a. ~ 292 a.a) full-length human protein.
Sequence	MELLCCEGTRHAPRAGPDPRL LGDQRVLQSLRL EERYVPRASYFQCVQREIKPHMRKMLAYW MLEVCEEQRCEEEVFPLAMNYLD RYLSCVPTRKAQLQLLGAVCM LLASKLRETTPLTIEKLCIYTD HAVSPRQLRDWEVLVLGKLKWD LAAVIAHDFLAFILHRLSLPRDRQALVKKHAQTFLALCATDYTF AMYPPSMIATGSGIAAVQGLGACSM SSGDELTELLAGITGTEVDCLRACQEQIEAALRESLREASQT SSSPAPKAPRGSSSQGPSQTSTPTDVT AIHL
Host	Mouse
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 (Transfected lysate)

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[Protocol Download](#)

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- Immunofluorescence

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Gene Info — CCND3

Entrez GeneID	896
GeneBank Accession#	NM_001760
Protein Accession#	NP_001751

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](#)