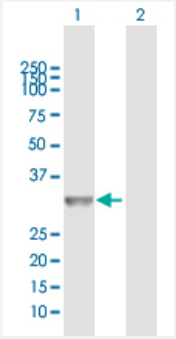
MaxPab®

CCND2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000894-D01 Size 100 uL

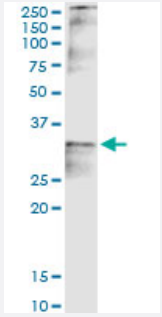
Applications



Western Blot (Transfected lysate)

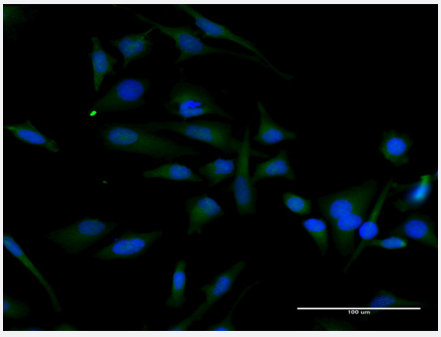
Western Blot analysis of CCND2 expression in transfected 293T cell line (H00000894-T02) by CCND2 MaxPab polyclonal antibody.

Lane 1: CCND2 transfected lysate(33.10 KDa).
Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of CCND2 transfected lysate using anti-CCND2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CCND2 purified MaxPab mouse polyclonal antibody (B01P) (H00000894-B01P).



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to CCND2 on HeLa cell. [antibody concentration 30 ug/ml]

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CCND2 protein.

Immunogen	CCND2 (NP_001750.1, 1 a.a. ~ 289 a.a) full-length human protein.
Sequence	MELLCHEVDPVRRAVRDRNLLRDDRVLQNLLTIEERYLPQCSYFKCVQKDIQPYMRRMVATWML EVCEEQKCEEEVFPLAMNYLDRFLAGVPTPKSHLQLLGAVCMFLASKLKETSPLTAEKLCIYTDN SIKPQELLEWELVVLGKLKWNLAAVTPHDFIEHILRKLPQQREKLSLIRKHAQTFIALCATDFKFAMY PPSMIATGSVGAAICGLQQDEEVSSLTCDALTELLAKITNTDVDCLKACQEQIEAVLLNSLQQYRQ DQRDGSKSEDELDQASTPTDVRDIDL
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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  Protocol Download

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  Immunofluorescence of purified MaxPab antibody to CCND2 on HeLa cell. [antibody concentration 30 ug/ml]

Gene Info — CCND2

Entrez GeneID	894
GeneBank Accession#	NM_001759
Protein Accession#	NP_001750.1

Gene Name	CCND2
Gene Alias	KIAK0002, MGC102758
Gene Description	cyclin D2
Omim ID	123833
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 fu nction 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 co mplex 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 phos phorylation of tumor suppressor protein Rb. Knockout studies of the homologous gene in mouse s uggest the essential roles of this gene in ovarian granulosa and germ cell proliferation. High level expression of this gene was observed in ovarian and testicular tumors. [provided by RefSeq
Other Designations	G1/S-specific cyclin D2

Pathway

- Cell cycle
- Focal adhesion
- Jak-STAT signaling pathway
- p53 signaling pathway
- Wnt signaling pathway

Disease

- Breast cancer
- Breast Neoplasms
- Carcinoma
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Hepatitis B

- Kidney Failure
- Liver Neoplasms
- Narcolepsy
- Neoplasm Invasiveness
- Ovarian cancer
- Ovarian Neoplasms