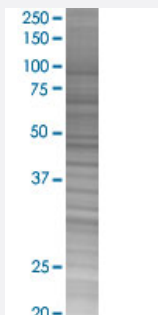


CCND2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000894-T02

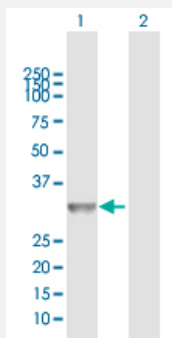
Size 100 uL

Applications



SDS-PAGE Gel

CCND2 transfected lysate.



Western Blot

Lane 1: CCND2 transfected lysate (33.10 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CCND2 full-length

Host Human

Theoretical MW (kDa) 33.1

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CCND2 antibody ([H00000894-D01](#)) by Western Blots.
SDS-PAGE Gel
CCND2 transfected lysate.
Western Blot
Lane 1: CCND2 transfected lysate (33.10 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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 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. Knockout studies of the homologous gene in mouse suggest 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](#)