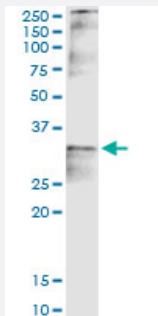


# CCND2 (Human) IP-WB Antibody Pair

Catalog # H00000894-PW2

Size 1 Set

## Applications



Immunoprecipitation of CCND2 transfected lysate using rabbit polyclonal anti-CCND2 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-CCND2.

## Specification

|                                |                                                                                                                                                                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.                                                                                                       |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                              |
| <b>Quality Control Testing</b> | Immunoprecipitation-Western Blot (IP-WB)<br>Immunoprecipitation of CCND2 transfected lysate using rabbit polyclonal anti-CCND2 and Protein A Magnetic Bead ( <a href="#">U0007</a> ), and immunoblotted with mouse purified polyclonal anti-CCND2. |
| <b>Supplied Product</b>        | Antibody pair set content:<br>1. Antibody pair for IP: rabbit polyclonal anti-CCND2 (300 ul)<br>2. Antibody pair for WB: mouse purified polyclonal anti-CCND2 (50 ug)                                                                              |
| <b>Storage Instruction</b>     | Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.                                                                 |

## Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

## Gene Info — CCND2

Entrez GeneID [894](#)

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](#)