

**Datasheet for 200-301-P32****Cyclin D2 Antibody****Overview**

<b>Description:</b>	Anti-Cyclin D2 (MOUSE) Antibody - 200-301-P32
<b>Item No.:</b>	200-301-P32
<b>Size:</b>	100 µg
<b>Applications:</b>	WB
<b>Reactivity:</b>	Human, Mouse
<b>Host Species:</b>	Mouse

**Product Details**

<b>Background:</b>	Inaba et al. (1992) used murine cDNA clones for 3 cyclin D genes that are normally expressed during the G1 phase of the cell cycle to clone the cognate human genes. D-type cyclins (cyclins D1, D2, and D3) are regarded as essential links between cell environment and the core cell cycle machinery. cyclin D2(CCND2) gene is assigned to 12p13. This antibody is suitable for researchers interested in cancer research, autoimmune disease, neurodegenerative disease, MAP Kinase Signaling, AKT Signaling, Ubiquitin research, and Cell Cycle research.
<b>Synonyms:</b>	KIAK0002
<b>Host Species:</b>	Mouse
<b>Clonality:</b>	Monoclonal
<b>Clone ID:</b>	DCS-3
<b>Format:</b>	IgG2a

**Target Details**

<b>Gene Name:</b>	CCND2
<b>Reactivity:</b>	Human, Mouse
<b>Immunogen Type:</b>	Recombinant Protein
<b>Immunogen:</b>	Cyclin D2 antibody was produced in mice by repeated immunizations with a recombinant protein corresponding to human cyclin D2 protein.

**Purity/Specificity:** Anti-Cyclin D2 antibody was purified from mouse ascites by protein A chromatography. This product reacts with human and mouse. Cross reactivity with Cyclin D2 from other sources has not been determined.

**Relevant Links:**

- [UniProtKB - P30279](#)
- [GeneID - 894](#)
- [NCBI - NP\\_001750.1](#)

## Application Details

**Tested Applications:** WB

**Application Note:** Anti-Cyclin D2 is tested for Immunocytochemistry and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~33 kDa corresponding to the appropriate cell lysate or extract.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ELISA:** 1:40,000

**IHC:** 1:100-1:500

**WB:** 2-4µg/ml

## Formulation

**Physical State:** Lyophilized

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**Buffer:** 1.2% sodium acetate

**Preservative:** 0.01% (w/v) Sodium Azide

**Stabilizer:** 2mg BSA

**Reconstitution Volume:** 1.0 mL

**Reconstitution Buffer:** Neutral PBS

## Shipping & Handling

**Shipping Condition:** Ambient

**Storage Condition:** Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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**Expiration:** Expiration date is one (1) year from date of receipt.

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## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.