

Datasheet for 200-301-P29**CDC6 Antibody****Overview**

Description:	Anti-CDC6 (MOUSE) Antibody - 200-301-P29
Item No.:	200-301-P29
Size:	100 µg
Applications:	WB
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	In yeasts, Cdc6 (<i>Saccharomyces cerevisiae</i>) and Cdc18 (<i>Schizosaccharomyces pombe</i>) associate with the origin recognition complex (ORC) proteins to render cells competent for DNA replication. Cdc6 is overexpressed in human cancers, where it has a critical regulatory role in addition to DNA replication. Yan et al. (1998) showed that Cdc6 is expressed selectively in proliferating but not quiescent mammalian cells, both in culture and within tissues in intact animals. During the transition from a growth-arrested to a proliferative state, transcription of mammalian Cdc6 is regulated by E2F proteins, as revealed by a functional analysis of the human Cdc6 promoter and by the ability of exogenously expressed E2F proteins to stimulate the endogenous Cdc6 gene. They conclude that expression of human Cdc6 is regulated in response to mitogenic signals through transcriptional control mechanisms involving E2F proteins, and that Cdc6 is required for initiation of DNA replication in mammalian cells. This antibody is suitable for researchers interested in cancer research and Cell Cycle research.
Synonyms:	CDC18L, HsCdc18, p62(cdc6), CELL DIVISION CYCLE 18, S. POMBE, HOMOLOG-LIKE, CDC6 (cell division cycle 6, <i>S. cerevisiae</i>) homolog, CELL CYCLE CONTROLLER CDC6, CDC6-related protein, Cdc18-related protein
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	DCS-180
Format:	IgG1

Target Details

Gene Name:	CDC6
Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	CDC6 antibody was produced in mice by repeated immunizations with a recombinant protein corresponding to human Cdc6.
Purity/Specificity:	Anti-CDC6 antibody was purified from mouse ascites by protein A chromatography. This product reacts with human. Cross reactivity with CDC6 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q99741 • GenelD - 990 • NCBI - NP_001245.1

Application Details

Tested Applications:	WB
Application Note:	Anti-CDC6 is tested for Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~62.7 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:	1:20,000
WB:	1-2µg/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.
Expiration:	Expiration date is one (1) year from date of receipt.

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.