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Datasheet for 200-301-P28

CDC25C Antibody

Overview

Description:	Anti-CDC25C (MOUSE) Antibody - 200-301-P28
Item No.:	200-301-P28
Size:	100 µg
Applications:	WB
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	Cell division cycle (CDC25) gene product is a protein-tyrosine phosphatase, activates a partially purified p34(cdc2)/cyclin B complex. The cdc25 protein also shares homology with a protein phosphatase with activity against both tyrosine and serine (and thus probably threonine) phosphate residues. CDC25C is expressed predominantly in G2 phase in healer cells. The human gene encodes a protein with a predicted molecular mass of 53,000 daltons whose C-terminal domain shares about 37% sequence identity with the fission yeast cdc25 mitotic inducer. CDC25C gene is mapped to 5q31. This antibody is suitable for researchers interested in cancer research, autoimmune disease, cardiovascular disease, neurodegenerative disease, MAK Kinase Signaling, AKT Signaling, GPCR Signaling, Cell Cycle research, and nuclear receptors and transcription factors.
Synonyms:	CDC25, PPP1R60, MITOSIS INDUCER CDC25, cell division cycle 25C, protein phosphatase 1, regulatory subunit 60, Dual specificity phosphatase Cdc25C
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	DCS-193
Format:	IgG1

Target Details

Gene Name:	CDC25C
Reactivity:	Human

Immunogen Type:	Recombinant Protein
Immunogen:	CDC25C antibody was produced in mice by repeated immunizations with a recombinant protein corresponding to human Cdc25c.
Purity/Specificity:	Anti-CDC25C antibody was purified from mouse ascites by protein A chromatography. This product reacts with human. Cross reactivity with CDC25C from other sources has not been determined.
Relevant Links:	• UniProtKB - P30307 • GeneID - 995 • NCBI - NP_001274511.1

Application Details

Tested Applications:	WB
Application Note:	Anti-CDC25C is tested for Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~53.4 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.