

Repo-Man Polyclonal Antibody

Catalog # AP72236

Product Information

Application WB, IHC-P
Primary Accession Q69YH5
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 112676

Additional Information

Gene ID 157313

Other Names CDCA2; Cell division cycle-associated protein 2; Recruits PP1 onto mitotic

chromatin at anaphase protein; Repo-Man

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

ELISA: 1/5000. Not yet tested in other applications. IHC-P~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name CDCA2

Function Regulator of chromosome structure during mitosis required for

condensin-depleted chromosomes to retain their compact architecture through anaphase. Acts by mediating the recruitment of phopsphatase PP1-gamma subunit (PPP1CC) to chromatin at anaphase and into the following interphase. At anaphase onset, its association with chromatin

targets a pool of PPP1CC to dephosphorylate substrates.

Cellular Location Nucleus. Note=Excluded from the nucleolus. Present in nucleoplasm

throughout the G1, S and G2 stages of the cell cycle. During M phase, it becomes diffuse throughout the cell as the nuclear membrane breaks down, and faintly accumulates later on metaphase chromatin. As the cell progresses

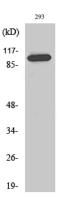
to anaphase, it accumulates on chromatin

Tissue Location Ubiquitously expressed.

Background

Regulator of chromosome structure during mitosis required for condensin-depleted chromosomes to retain their compact architecture through anaphase. Acts by mediating the recruitment of phopsphatase PP1-gamma subunit (PPP1CC) to chromatin at anaphase and into the following interphase. At anaphase onset, its association with chromatin targets a pool of PPP1CC to dephosphorylate substrates.

Images



Western Blot analysis of various cells using Repo-Man Polyclonal Antibody diluted at 1: 2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.