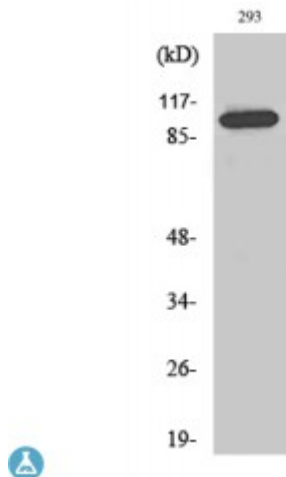


Anti-Repo-Man antibody



Description	Rabbit polyclonal to Repo-Man.
Model	STJ95418
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Repo-Man
Immunogen Region	480-560 aa, Internal
Gene ID	157313
Gene Symbol	CDCA2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000
Specificity	Repo-Man Polyclonal Antibody detects endogenous levels of Repo-Man protein.
Tissue Specificity	Ubiquitously expressed.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Cell division cycle-associated protein 2 Recruits PP1 onto mitotic chromatin at anaphase protein Repo-Man
Molecular Weight	113 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:14623 OMIM:NA
Alternative Names	Cell division cycle-associated protein 2 Recruits PP1 onto mitotic chromatin at anaphase protein Repo-Man
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 phosphatase 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 Localization	Nucleus. 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.
Post-translational Modifications	Phosphorylated by CDK1. May regulate its subcellular location.

St John's Laboratory Ltd

F +44 (0)207 681 2580
T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>
E info@stjohnslabs.com