SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CENPC1 antibody

Catalog Number: SL15555R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CENPC1
Immunogen:	KLH conjugated synthetic peptide derived from human CENPC1: 701-800/943
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Chicken,Dog,Horse,Rabbit)
Predicted MW.:	107kDa
Subcellular Location:	The nucleus
Background:	Centromere protein C 1 is a centromere autoantigen and a component of the inner kinetochore plate. The protein is required for maintaining proper kinetochore size and a timely transition to anaphase. A putative pseudogene exists on chromosome 12. **Function:** Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres. CENPC recruits DNA methylation and DNMT3B to both centromeric and pericentromeric satellite repeats and regulates the histone code in these regions. **Subunit:** Oligomer. Component of the CENPA-NAC complex, at least composed of CENPA, CENPC, CENPH, CENPM, CENPN, CENPT and MLF1IP/CENPU. The CENPA-NAC complex interacts with the CENPA-

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	CAD complex, composed of CENPI, CENPK, CENPL, CENPO, CENPP, CENPQ, CENPR and CENPS. Binds to DAXX. Interacts directly with CENPA. **Subcellular Location:** Nucleus. Chromosome, centromere, kinetochore. Note=Localizes exclusively in the kinetochore domain of centromeres. **Similarity:** Belongs to the CENPC family. **Database links:** **Entrez Gene:** 1060 Human Omim: 117141 Human **SwissProt:** Q03188 Human **Unigene:** 479867 Human

[VALIDATION IMAGES]

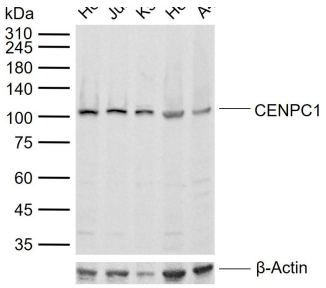


Figure 1. Sample: Lane 1: Human HeLa cell lysates Lane 2: Human Jurkat cell lysates Lane 3: Human K562 cell lysates Lane 4: Human HepG2 cell lysates Lane 5: Human A431 cell lysates Primary: Anti-CENPC1 (SL15555R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 107 kDa Observed band size: 105 kDa

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