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# SGOL1 Antibody

货号: **AYP5324**

## 产品信息

反应	Human
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB ELISA
推荐浓度	<b>WB:</b> 1:500 - 1:2000
理论分子量	24kDa/29kDa/31kDa/33kDa/35kDa/60kDa/64kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	A-549,HT-29,Mouse testis,Rat testis
细胞定位	Chromosome,Cytoplasm,Nucleus,centromere,centrosome,cytoskeleton,kinetochore,microtubule organizing center,spindle pole
纯化	Affinity purification

## 抗原信息

抗原信息	Synthesized peptide derived from Human SGOL1.
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## 靶点信息

研究背景	The protein encoded by this gene is a member of the shugoshin family of proteins. This protein is thought to protect centromeric cohesin from cleavage during mitotic prophase by preventing phosphorylation of a cohesin subunit. Reduced expression of this gene leads to the premature loss of centromeric cohesion, mis-segregation of sister chromatids, and mitotic arrest. Evidence suggests that this protein also protects a small subset of cohesin found along the length of the chromosome arms during mitotic prophase. An isoform lacking exon 6 has been shown to play a role in the cohesion of centrioles (PMID: 16582621 and PMID:18331714). Mutations in this gene have been associated with Chronic Atrial and Intestinal Dysrhythmia (CAID) syndrome, characterized by the co-occurrence of Sick Sinus Syndrome (SSS) and Chronic Intestinal Pseudo-obstruction (CIPO) within the first four decades of life (PMID:25282101). Fibroblast cells from CAID patients exhibited both increased cell proliferation and higher rates of senescence. Pseudogenes of this gene have been found on chromosomes 1 and 7. Alternative splicing results in multiple transcript variants.
基因ID	151648
基因名	SGO1
Swiss	Q5FBB7 ( <a href="https://www.uniprot.org/uniprotkb/Q5FBB7/entry">https://www.uniprot.org/uniprotkb/Q5FBB7/entry</a> )
别名	SGO1,CAID,NY-BR-85,SGO,SGOL1,SGOL1 Antibody,Serologically defined breast cancer antigen NY-BR-85,Shugoshin-like 1

## 产品验证

## 实验步骤

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