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SGOL1 Rabbit pAb

货号: **AYP10802**

产品信息

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| 反应 | Human,Mouse,Rat |
| 宿主 | Rabbit |
| 克隆性 | Polyclonal |
| 预测反应 | |
| 应用 | WB IF/ICC |
| 推荐浓度 | WB: 1:500 - 1:2000 IF/ICC: 1:50 - 1:200 |
| 理论分子量 | 24kDa/29kDa/31kDa/33kDa/35kDa/60kDa/64kDa |
| 实测分子量 | 75kDa |
| 形式 | Liquid |
| 保存条件 | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,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 |

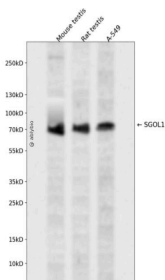
抗原信息

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| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 10-100 of human SGOL1 (NP_612493.1). |
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靶点信息

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| 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 (https://www.uniprot.org/uniprotkb/Q5FBB7/entry) |
| 别名 | SGO1,CAID,NY-BR-85,SGO,SGOL1,SGOL1 Rabbit pAb,Serologically defined breast cancer antigen NY-BR-85,Shugoshin-like 1 |

产品验证



Western blot analysis of SGOL1 expressed in Mouse testis,Rat testis,A-549 using SGOL1 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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