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SGOL1 Ab

Images(3)

Cat.#: AF0543 Concn.: ~1mg/ml Mol.Wt.: 64kDa Size: Source: Rabbit Clonality: Polyclonal

Application: IF/ICC 1:100-1:500, WB 1:500-1:2000

*The optimal dilutions should be determined by the end user.

Reactivity: Human, Mouse

Storage: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02%

sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from

date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using

SulfoLinkTM Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human SGOL1, corresponding to a

region within N-terminal amino acids.

Uniprot: Q5FBB7

Description: SGO1 Plays a central role in chromosome cohesion during mitosis by

preventing premature dissociation of cohesin complex from centromeres

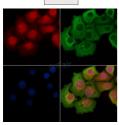
after prophase, when most of cohesin complex dissociates from

chromosomes arms. May act by preventing phosphorylation of the STAG2 subunit of cohesin complex at the centromere, ensuring cohesin persistence

at centromere until cohesin cleavage by ESPL1/separase at anaphase.



Western blot analysis of extracts from RAW264.7 cells(LPS4h treatment), using SGOL1 Ab. The lane on the left was treated with blocking peptide.



AF0543 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(#AF0543) and mouse anti-beta tubulin Ab(#T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG Ab(Green) were used as the secondary Ab.

The nuclear counter stain is DAPI (blue).



in 5% $\mbox{w/v}$ milk , 1% TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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