

Datasheet for ABIN7602258
anti-SGOL2 antibody (AA 660-1011)



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Overview

Quantity:	100 µg
Target:	SGOL2
Binding Specificity:	AA 660-1011
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SGOL2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-SGOL2 Antibody Picoband®
Immunogen:	E.coli-derived human SGOL2 recombinant protein (Position: N660-E1011).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-SGOL2 Antibody Picoband® (ABIN7602258). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SGOL2
Alternative Name:	SGO2 (SGOL2 Products)
Background:	<p>Synonyms: Gap junction gamma-1 protein,Connexin-45,Cx45,Gap junction alpha-7 protein,GJC1,GJA7,</p> <p>Tissue Specificity: Ubiquitously expressed.</p> <p>Background: Predicted to be involved in homologous chromosome segregation, meiotic sister chromatid cohesion, and mitotic sister chromatid segregation. Predicted to act upstream of or within meiotic nuclear division, positive regulation of maintenance of meiotic sister chromatid cohesion, centromeric, and protein localization. Located in chromosome, centromeric region and nuclear body. Part of mitotic cohesin complex.</p>
Molecular Weight:	180 kDa
Gene ID:	151246
UniProt:	Q562F6

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Hartz, P. A. Personal Communication. Baltimore, Md. 11/20/2008. 2. Hellmuth, S., Gomez-H, L., Pendas, A. M., Stemmann, O. Securin-independent regulation of separase by checkpoint-induced shugoshin-MAD2. Nature 580: 536-541, 2020. 3. Huang, H., Feng, J., Famulski, J., Rattner, J. B., Liu, S. T., Kao, G. D., Muschel, R., Chan, G. K. T., Yen, T. J. Tripin/hSgo2 recruits MCAK to the inner centromere to correct defective kinetochore attachments. J. Cell Biol. 177: 413-424, 2007.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.

Handling

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.