

Rabbit SGOL1 Polyclonal Antibody | anti-SGOL1 antibody

SGOL1 Rabbit Polyclonal Antibody

CATALOG # AAA313643	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
-------------------------------	-----------------------	--	---

PRODUCT SYNONYMS

SGOL1; Polyclonal Antibody; SGOL1 Rabbit Polyclonal Antibody; SGO1; CAID; NY-BR-85; SGO; anti-SGOL1 antibody

PRODUCT SPECIFICATIONS

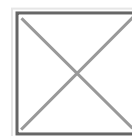
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-SGOL1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human SGOL1 (NP_612493.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using SGOL1 at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SGOL1 at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-SGOL1 antibody	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 cohesin, 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.
Product Categories/Family for anti-SGOL1 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	60302875
NCBI GeneID	151648
NCBI Accession #	NP_001012409.1
NCBI GenBank Nucleotide #	NM_001012409.2
UniProt Accession #	Q5FBB7; Q588H5; Q5FBB4; Q5FBB5; Q5FBB6; Q5FBB8; Q8N579; Q8WVL0; Q9BVA8; Q9H275
Molecular Weight	64,190 Da
NCBI Official Full Name	shugoshin-like 1 isoform A1
NCBI Official Synonym Full Names	shugoshin-like 1 (S. pombe)
NCBI Official Symbol	SGOL1
NCBI Official Synonym Symbols	SGO; Sgo1; NY-BR-85
NCBI Protein Information	shugoshin-like 1; hSgo1; shugoshin 1AB protein; shugoshin 1CD protein; shugoshin 1EF protein; shugoshin 1GH protein; shugoshin 1KL protein; serologically defined breast cancer antigen NY-BR-85
UniProt Protein Name	Shugoshin-like 1
UniProt Gene Name	SGOL1
UniProt Synonym Gene Names	SGO1; hSgo1
UniProt Entry Name	SGOL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sgol1-antibody-immunofluorescence-western-blot-elisa/313643>