

Datasheet for ABIN1538328
anti-Shugoshin antibody (AA 339-367)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	Shugoshin (SGOL1)
Binding Specificity:	AA 339-367
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SGOL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 339-367 amino acids from the Central region of human SGOL1.
Clone:	RB36785
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Shugoshin (SGOL1)
Alternative Name:	SGOL1 (SGOL1 Products)
Background:	SGOL1 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

Target Details

STAG2 subunit of cohesin complex at the centromere, ensuring cohesin persistence at centromere until cohesin cleavage by ESPL1/separase at anaphase. Essential for proper chromosome segregation during mitosis and this function requires interaction with PPP2R1A. Its phosphorylated form is necessary for chromosome congression and for the proper attachment of spindle microtubule to the kinetochore. Necessary for kinetochore localization of PLK1 and CENPF. May play a role in the tension sensing mechanism of the spindle-assembly checkpoint by regulating PLK1 kinetochore affinity. Isoform 3 plays a role in maintaining centriole cohesion involved in controlling spindle pole integrity.

Molecular Weight: 64190

Gene ID: 151648

NCBI Accession: [NP_001012409](#), [NP_001012410](#), [NP_001012411](#), [NP_001012412](#), [NP_001012413](#), [NP_001186180](#), [NP_001186181](#), [NP_001186182](#), [NP_001186183](#), [NP_001186184](#), [NP_001186185](#), [NP_001186186](#), [NP_612493](#)

UniProt: [Q5FBB7](#)

Pathways: [Maintenance of Protein Location](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

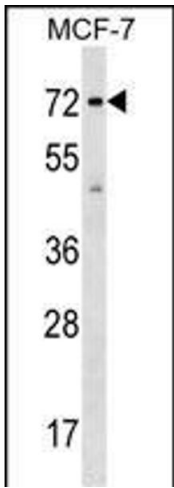
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: SGOL1 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. SGOL1 Antibody (Center) (ABIN1538328 and ABIN2848844) western blot analysis in MCF-7 cell line lysates (35 µg/lane). This demonstrates the SGOL1 antibody detected the SGOL1 protein (arrow).