



# Sgo2 rabbit pAb

Cat No.:ES4904

For research use only

## Overview

<b>Product Name</b>	Sgo2 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SGOL2. AA range:681-730
<b>Specificity</b>	Sgo2 Polyclonal Antibody detects endogenous levels of Sgo2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Shugoshin-like 2
<b>Gene Name</b>	SGOL2
<b>Cellular localization</b>	Nucleus . Chromosome, centromere . Chromosome, centromere, kinetochore . During meiosis I, accumulates at centromeres during diplotene, and colocalizes differentially with the cohesin subunits RAD21 and REC8 at metaphase I centromeres (By similarity). SGO
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	151246
<b>Human Swiss-Prot Number</b>	Q562F6
<b>Alternative Names</b>	SGOL2; Shugoshin-like 2; Shugoshin-2; Sgo2; Tripin
<b>Background</b>	function:During meiosis, protects centromeric cohesion complexes until metaphase II/anaphase II





transition, preventing premature release of meiosis-specific REC8 cohesin complexes from anaphase I centromeres. Is thus essential for an accurate gametogenesis (By similarity). May act by targeting PPP2CA to centromeres, thus leading to cohesin dephosphorylation.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the shugoshin family.,subcellular location:In Hela cells, localizes at centromeres throughout prophase until metaphase and disappears at anaphase.,subunit:Directly interacts with PPP2CA.,

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using SGOL2 Antibody. The picture on the right is blocked with the synthesized peptide.

