

## Rabbit anti-Human, Mouse SGO1 Polyclonal Antibody | anti-SGO1 antibody

SGO1 Antibody

|                               |                       |                                   |                                                                |
|-------------------------------|-----------------------|-----------------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA233371</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|-----------------------------------|----------------------------------------------------------------|

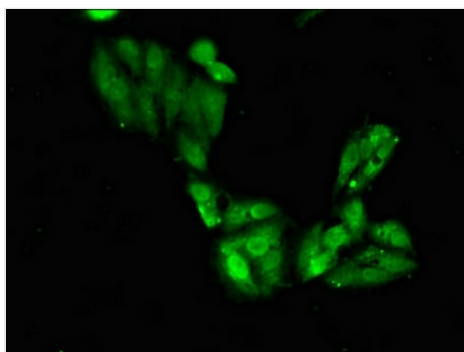
### PRODUCT SYNONYMS

SGO1; Polyclonal Antibody; SGO1 Antibody; Shugoshin 1; Serologically defined breast cancer antigen NY-BR-85; Shugoshin-like 1; anti-SGO1 antibody

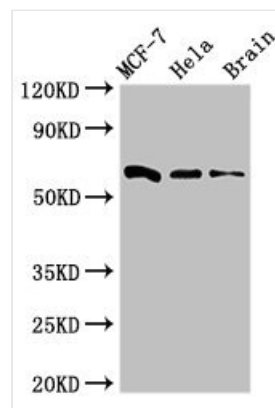
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                         |
| Reactivity                                     | Human, Mouse                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                     |
| Isotype                                        | IgG                                                                                                            |
| Purity/Purification                            | >95%, Protein G purified                                                                                       |
| Form/Format                                    | Liquid                                                                                                         |
| Sequence Length                                | 527                                                                                                            |
| Applicable Applications for anti-SGO1 antibody | IF (Immunofluorescence), WB (Western Blot), ELISA                                                              |
| Immunogen                                      | Recombinant Human Shugoshin 1 protein (260-439AA)                                                              |
| Conjugation                                    | Non-conjugated                                                                                                 |
| Preservative                                   | 0.03% Proclin 300                                                                                              |
| Constituents                                   | 50% Glycerol, 0.01M PBS, pH 7.4                                                                                |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescent analysis of HeLa cells using AAA233371 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


**WB (Western Blot)**

Western BlotPositive WB detected in: MCF-7 whole cell lysate,HeLa whole cell lysate,Mouse brain tissueAll lanes: SGO1 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 65,36,34,32,30,61,25 KDaObserved band size: 65 KDa

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SGO1 antibody | 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. 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. |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 60302875                                                                       |
| NCBI GeneID                      | 151648                                                                         |
| NCBI Accession #                 | NP_001012409.1                                                                 |
| NCBI GenBank Nucleotide #        | NM_001012409.3                                                                 |
| UniProt Accession #              | Q5FBB7; Q588H5; Q5FBB4; Q5FBB5; Q5FBB6; Q5FBB8; Q8N579; Q8WVL0; Q9BVA8; Q9H275 |
| Molecular Weight                 | 24,646 Da                                                                      |
| NCBI Official Full Name          | shugoshin 1 isoform 1                                                          |
| NCBI Official Synonym Full Names | shugoshin 1                                                                    |
| NCBI Official Symbol             | SGO1                                                                           |
| NCBI Official Synonym Symbols    | SGO; CAID; SGOL1; NY-BR-85                                                     |
| NCBI Protein Information         | shugoshin 1                                                                    |
| UniProt Protein Name             | Shugoshin 1                                                                    |
| UniProt Gene Name                | SGO1                                                                           |

**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.