



# Anti-SGOL1 monoclonal antibody, clone 5H7 (CABT-22966MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Antigen Description

Mouse monoclonal antibody raised against a full length recombinant SGOL1.

|                              |                                                                                                                                                                                                                                                                                |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>             | SGOL1 (AAH17867, 1 a.a. ~ 293 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                            |
| <b>Isotype</b>               | IgG2a                                                                                                                                                                                                                                                                          |
| <b>Source/Host</b>           | Mouse                                                                                                                                                                                                                                                                          |
| <b>Species Reactivity</b>    | Human                                                                                                                                                                                                                                                                          |
| <b>Clone</b>                 | 5H7                                                                                                                                                                                                                                                                            |
| <b>Conjugate</b>             | Unconjugated                                                                                                                                                                                                                                                                   |
| <b>Applications</b>          | WB,IP,sELISA,ELISA                                                                                                                                                                                                                                                             |
| <b>Sequence Similarities</b> | MAKERCLKKSFQDSLEDIKKRMKEKRNKNLAEIGKRRSFIAAPCQIITNTSTLLKNYQDN<br>NKMLVLALENEKSKVKEAQDIILQLRKECYLTCQLYALKGKLTSQQTVEPAQNQEICSS<br>GMDPNSDDSSRNLFVKDLPQIPLEETELPGQGSEFQIEATPPETQQSPHLSLKDITNVSL<br>YPVVKIRRLSLSPKKNKASPAVALPKRRCTASVNYKEPTLASKLRRGDPFTDLCFLNSPI<br>FKQKKDLRRSKKRAL |
| <b>Size</b>                  | 100 µg                                                                                                                                                                                                                                                                         |
| <b>Buffer</b>                | In 1x PBS, pH 7.2                                                                                                                                                                                                                                                              |
| <b>Preservative</b>          | None                                                                                                                                                                                                                                                                           |
| <b>Storage</b>               | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                       |

# GENE INFORMATION

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name           | <a href="#">SGOL1 shugoshin-like 1 (S. pombe) [Homo sapiens]</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Official Symbol     | SGOL1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Synonyms            | shugoshin-like 1 (S. pombe); OTTHUMP00000208167; NY-BR-85; OTTHUMP00000208172; Serologically defined breast cancer antigen NY-BR-85; OTTHUMP00000208174; hSgo1; Sgo1; SGO; shugoshin 1AB protein; shugoshin 1CD protein; FLJ14230; shugoshin 1EF protein; OTTHUMP00000207982; shugoshin 1GH protein; OTTHUMP00000208163; shugoshin 1KL protein; OTTHUMP00000208164; shugoshin-like 1; OTTHUMP00000161045; OTTHUMP00000208165; OTTHUMP00000208166; OTTHUMP00000208168; OTTHUMP00000208169; OTTHUMP00000208170; OTTHUMP00000208171; OTTHUMP00000208175; OTTHUMP00000208176 |
| Entrez Gene ID      | <a href="#">151648</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protein Refseq      | <a href="#">NP_001012409</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt ID          | <a href="#">B5BUA4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Chromosome Location | 3p24.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Pathway             | Aurora B signaling, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem                                                                                                                                                                                                                                                                             |
| Function            | protein binding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |