



# GTSE1 Monoclonal Antibody

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| <b>Catalog No</b>                  | YP-mAb-05078                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>                   | GTSE1                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen</b>                   | Synthesized peptide derived from human protein . at AA range: 70-150                                                                                                                                                                                                                                                                                                                               |
| <b>Specificity</b>                 | GTSE1 Monoclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                    |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                               |
| <b>Dilution</b>                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>                    | B99;G 2 and S phase expressed 1;GTSE 1;GTSE1;Protein B99 homolog;G2 and S phase-expressed protein 1 (GTSE-1) (Protein B99 homolog)                                                                                                                                                                                                                                                                 |
| <b>Observed Band</b>               | 66-77 kDa, 100 kDa                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Calculated Molecular Weight</b> | 77 kDa                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cell Pathway</b>                | Cytoplasm, cytoskeleton. Associated with microtubules.                                                                                                                                                                                                                                                                                                                                             |
| <b>Tissue Specificity</b>          | Brain,Epithelium,Liver,Muscle,Placenta,                                                                                                                                                                                                                                                                                                                                                            |
| <b>Function</b>                    | developmental stage:Expressed in G2/M phase. Not detected in quiescent cells., function:May be involved in p53-induced cell cycle arrest in G2/M phase by interfering with microtubule rearrangements that are required to enter mitosis. Overexpression delays G2/M phase progression.,PTM:Phosphorylated in mitosis.,subcellular location:Associated with microtubules.,                         |
| <b>Background</b>                  | The protein encoded by this gene is only expressed in the S and G2 phases of the cell cycle, where it colocalizes with cytoplasmic tubulin and microtubules. In response to DNA damage, the encoded protein accumulates in the nucleus and binds the tumor suppressor protein p53, shuttling it out of the nucleus and repressing its ability to induce apoptosis. [provided by RefSeq, Jul 2008], |

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**