

## Product datasheet for **TA344130**

### GTSE1 Rabbit Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | WB   |
| Recommended Dilution:   | WB   |
| Reactivity:             | Human  |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | The immunogen for anti-GTSE1 antibody: synthetic peptide directed towards the middle region of human GTSE1. Synthetic peptide located within the following region:<br>IDLMTNTPDMNKNVAKPSPVVGQLIDLSSPLIQLSPEADKENVDSPLLKF |
| Formulation:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.<br><i>Note that this product is shipped as lyophilized powder to China customers.</i>                                  |
| Purification:           | Affinity Purified  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 76 kDa   |
| Gene Name:              | G2 and S-phase expressed 1   |
| Database Link:          | <a href="#">NP_057510</a><br><a href="#">Entrez Gene 51512 Human</a><br><a href="#">Q9NYZ3</a>   |



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**Background:**

GTSE1 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. 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.

**Synonyms:**

B99

**Note:**

Immunogen Sequence Homology: Dog: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Pig: 93%; Horse: 93%; Rabbit: 93%; Bovine: 86%; Guinea pig: 86%

**Protein Families:**

Druggable Genome

**Protein Pathways:**

p53 signaling pathway

**Product images:**

WB Suggested Anti-GTSE1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: MCF7 cell lysate