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# GTSE1 Rabbit pAb

Catalog # AP98395

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | Q9NYZ3 |
| **Other Accession** | Q9NYZ3 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Rat, Pig, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 78505 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human GTSE1 |
| **Epitope Specificity** | 651-739/739 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Sequence=CAQ09324.2; Type=Erroneous initiation; Note=Translation N-terminally shortened; Sequence=CAQ10552.2; Type=Erroneous initiation; Note=Translation N-terminally shortened. |
| **Post-translational modifications** | Phosphorylated in mitosis. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | 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] |

## Additional Information

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| **Gene ID** | 51512 |
| **Other Names** | B99; GTSE1_HUMAN; GTSE1; GTSE-1; Protein B99 homolog; G2 and S-phase expressed 1; G-2 and S-phase expressed 1 |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| **Name** | GTSE1 ( HGNC:13698) |
| **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. |
| **Cellular Location** | Cytoplasm, cytoskeleton. Note=Associated with microtubules |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.