

GTSE1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9882b**Specification**

GTSE1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9NYZ3](#)**GTSE1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 51512**Other Names**

G2 and S phase-expressed protein 1, GTSE-1, Protein B99 homolog, GTSE1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GTSE1 Antibody (C-term) Blocking Peptide - Protein Information**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

GTSE1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GTSE1 Antibody (C-term) Blocking Peptide - Images**GTSE1 Antibody (C-term) Blocking Peptide - 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.

GTSE1 Antibody (C-term) Blocking Peptide - References

Bublik, D.R., et al. J. Biol. Chem. 285(8):5274-5281(2010)Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)Kapranov, P., et al. Genome Res. 15(7):987-997(2005)Cheng, J., et al. Science 308(5725):1149-1154(2005)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)