

GTSE1 Rabbit pAb

Catalog # AP98395

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9NYZ3
Other Accession	Q9NYZ3
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

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

Name	GTSE1 (HGNC:13698)
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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

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