

ARG55722 anti-GTSE1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GTSE1
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GTSE1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 690-717 (C-terminus) of Human GTSE1.
Conjugation	Un-conjugated
Alternate Names	GTSE-1; G2 and S phase-expressed protein 1; Protein B99 homolog; B99

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	

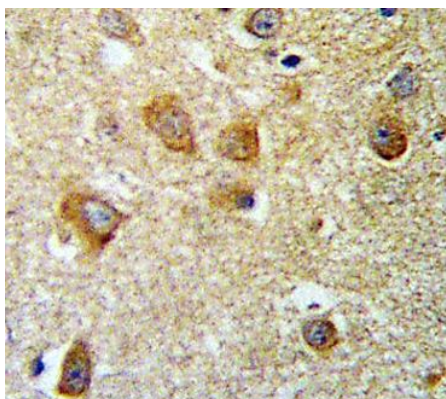
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

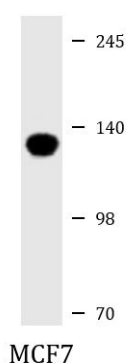
Database links	GeneID: 51512 Human Swiss-port # Q9NYZ3 Human
Gene Symbol	GTSE1
Gene Full Name	G-2 and S-phase expressed 1
Background	The protein encoded by this gene is only expressed in the S and G2 phases of the cell cycle, where it colocalizes with cytoplasmic tubulin and microtubules. In response 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]
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. [UniProt]
Calculated Mw	77 kDa
PTM	Phosphorylated in mitosis.

Images



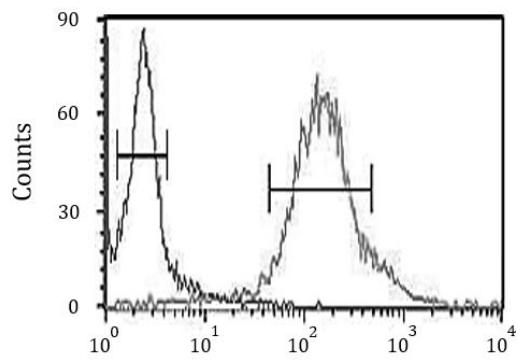
ARG55722 anti-GTSE1 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded brain tissue stained with ARG55722 anti-GTSE1 antibody.



ARG55722 anti-GTSE1 antibody WB image

Western blot: 20 µg of MCF7 whole cell lysate stained with ARG55722 anti-GTSE1 antibody at 1:1000 dilution.



ARG55722 anti-GTSE1 antibody FACS image

Flow Cytometry: HeLa cells stained with ARG55722 anti-GTSE1 antibody (right histogram) or without primary antibody as control (left histogram), followed by incubation with FITC labelled secondary antibody.