10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Gins1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21172a

Product Information

Application	WB, E
Primary Accession	Q9CZ15
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB51092
Calculated MW	22893

Additional Information

Gene ID	69270
Other Names	DNA replication complex GINS protein PSF1, GINS complex subunit 1, Gins1, Psf1
Target/Specificity	This Mouse Gins1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 152-186 amino acids from the C-terminal region of Mouse Gins1.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Gins1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Gins1
Synonyms	Psf1
Function	Required for correct functioning of the GINS complex, a complex that plays an essential role in the initiation of DNA replication, and progression of DNA

	replication forks. GINS complex is a core component of CDC45-MCM-GINS (CMG) helicase, the molecular machine that unwinds template DNA during replication, and around which the replisome is built.
Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q14691}. Chromosome {ECO:0000250|UniProtKB:Q14691}. Note=Associates with chromatin. {ECO:0000250|UniProtKB:Q14691}

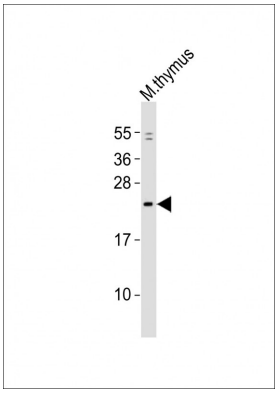
Background

The GINS complex plays an essential role in the initiation of DNA replication, and progression of DNA replication forks. GINS complex seems to bind preferentially to single- stranded DNA. GINS1 is essential for function (By similarity).

References

Carninci P.,et al.Science 309:1559-1563(2005).

Images



Anti-Mouse Gins1 Antibody (C-term) at 1:2000 dilution + mouse thymus lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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