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GINS1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9494a

Specification

GINS1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q14691

GINS1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9837

Other Names
DNA replication complex GINS protein PSF1, GINS complex subunit 1, GINS1, KIAA0186, PSF1

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.

GINS1 Antibody (N-term) Blocking Peptide - Protein Information

Name GINS1 (HGNC:28980)

Synonyms KIAA0186, 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 (PubMed:17417653, PubMed:28414293). 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 (PubMed:32453425, PubMed:34694004, PubMed:34700328, PubMed:35585232).

Cellular Location
Nucleus. Chromosome. Note=Associates with chromatin

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GINS1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

GINS1 Antibody (N-term) Blocking Peptide - Images

GINS1 Antibody (N-term) Blocking Peptide - Background

The yeast heterotetrameric GINS complex is made up of Sld5 (GINS4; MIM 610611), Psf1, Psf2 (GINS2; MIM 610609), and Psf3 (GINS3; MIM 610610). The formation of the GINS complex is essential for the initiation of DNA replication in yeast and Xenopus egg extracts (Ueno et al., 2005 [PubMed 16287864]).

GINS1 Antibody (N-term) Blocking Peptide - References

Nagahama, Y., et al. Cancer Res. 70(3):1215-1224(2010)Kamada, K., et al. Nat. Struct. Mol. Biol. 14(5):388-396(2007)