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

GINS2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18810c

Specification

GINS2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9Y248

GINS2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 51659

Other Names
DNA replication complex GINS protein PSF2, GINS complex subunit 2, GINS2, PSF2

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.

GINS2 Antibody (Center) Blocking Peptide - Protein Information

Name GINS2 (HGNC:24575)

Synonyms PSF2

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). 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

GINS2 Antibody (Center) Blocking Peptide - Protocols

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

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

- Blocking Peptides

GINS2 Antibody (Center) Blocking Peptide - Images

GINS2 Antibody (Center) Blocking Peptide - Background

The yeast heterotetrameric GINS complex is made up of Sld5(GINS4; MIM 610611), Psf1 (GINS1; MIM 610608), Psf2, and Psf3(GINS3; MIM 610610). The formation of this complex is essential forthe initiation of DNA replication in yeast and Xenopus egg extracts(Ueno et al., 2005 [PubMed 16287864]). See GINS1 for additionalinformation about the GINS complex.

GINS2 Antibody (Center) Blocking Peptide - References

Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Matsuoka, S., et al. Science 316(5828):1160-1166(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)Takayama, Y., et al. Genes Dev. 17(9):1153-1165(2003)