

GINS2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18810c**Specification**

GINS2 Antibody (Center) Blocking Peptide - Product InformationPrimary 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

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 for the initiation of DNA replication in yeast and Xenopus egg extracts(Ueno et al., 2005 [PubMed 16287864]). See GINS1 for additional information 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)