

GINS2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18810c**Specification**

GINS2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9Y248
Other Accession	O7ZT46 , NP_057179.1
Reactivity	Human
Predicted	Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	21428
Antigen Region	90-119

GINS2 Antibody (Center) - Additional Information**Gene ID** 51659**Other Names**

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

Target/Specificity

This GINS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-119 amino acids from the Central region of human GINS2.

Dilution

WB~~1:1000

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

GINS2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GINS2 Antibody (Center) - 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

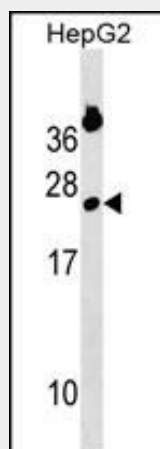
Nucleus. Chromosome. Note=Associates with chromatin

GINS2 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GINS2 Antibody (Center) - Images



GINS2 Antibody (Center)(Cat. #AP18810c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the GINS2 antibody detected the GINS2 protein (arrow).

GINS2 Antibody (Center) - 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) - References

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