

GINS1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9494a**Specification**

GINS1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q14691
Other Accession	Q9CZ15
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1-30

GINS1 Antibody (N-term) - Additional Information**Gene ID** 9837**Other Names**

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

Target/Specificity

This GINS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human GINS1.

Dilution

WB~~1:1000

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

GINS1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GINS1 Antibody (N-term) - 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

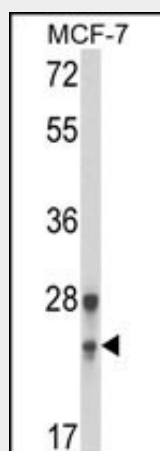
Nucleus. Chromosome. Note=Associates with chromatin

GINS1 Antibody (N-term) - 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](#)

GINS1 Antibody (N-term) - Images



Western blot analysis of GINS1 Antibody (N-term) (Cat. #AP9494a) in MCF-7 cell line lysates (35ug/lane). GINS1 (arrow) was detected using the purified Pab.

GINS1 Antibody (N-term) - 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) - 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)

GINS1 Antibody (N-term) - Citations

- [Interaction between human Ctf4 and the Cdc45/Mcm2-7/GINS \(CMG\) replicative helicase.](#)
- [Properties of the human Cdc45/Mcm2-7/GINS helicase complex and its action with DNA polymerase epsilon in rolling circle DNA synthesis.](#)