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GINS3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20401b

Product Information

Application	WB, E
Primary Accession	Q9BRX5
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42930
Calculated MW	24535
Antigen Region	190-216

Additional Information

Gene ID	64785
Other Names	DNA replication complex GINS protein PSF3, GINS complex subunit 3, GINS3, PSF3
Target/Specificity	This GINS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 190-216 amino acids from the C-terminal region of human GINS3.
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	GINS3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GINS3 {ECO:0000303|PubMed:28414293, ECO:0000312|HGNC:HGNC:25851}
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

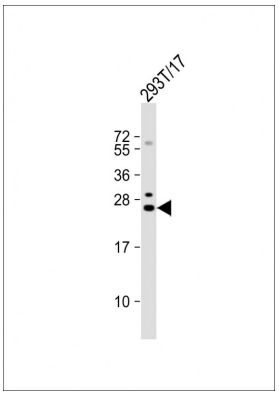
replication forks (PubMed:17417653, PubMed:28414293, PubMed:35603789). GINS complex is a core component of CDC45-MCM-GINS (CMG) helicase, the molecular machine that unwinds template DNA during replication, and around which the replisome is built (PubMed:32453425, PubMed:34694004, PubMed:34700328, PubMed:35585232).

Cellular Location Nucleus. Chromosome. Note=Associates with chromatin

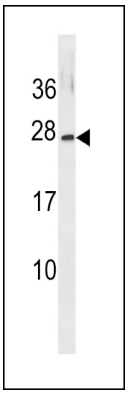
Background

The GINS complex plays an essential role in the initiation of DNA replication, and progression of DNA replication forks. GINS complex seems to bind preferentially to single-stranded DNA.

Images



Anti-GINS3 Antibody (C-term) at 1:1000 dilution + 293T/17 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GINS3 Antibody (C-term) (Cat. #AP20401b) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the GINS3 antibody detected the GINS3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.