

For Research Use Only

GINS2 Recombinant antibody

Catalog Number: 84486-2-RR



Basic Information

Catalog Number:

84486-2-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9180

GenBank Accession Number:

BC010164

GeneID (NCBI):

51659

UNIPROT ID:

Q9Y248

Full Name:

GINS complex subunit 2 (Psf2 homolog)

Calculated MW:

185 aa, 21 kDa

Observed MW:

20-25 kDa

Purification Method:

Protein A purification

CloneNo.:

241870E9

Recommended Dilutions:

WB 1:1000-1:8000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells,

IF/ICC : HeLa cells,

Background Information

GINS2, also named as DNA replication complex GINS protein PSF2, CGI-122, DC5, or HSPC037, is a 185 amino acid protein, which belongs to the GINS2/PSF2 family. 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. GINS2 is a part of the the GINS complex, an integral component of the replicative helicase machinery that facilitates progression of the replisome complex.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

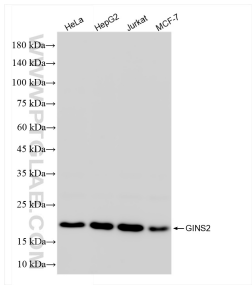
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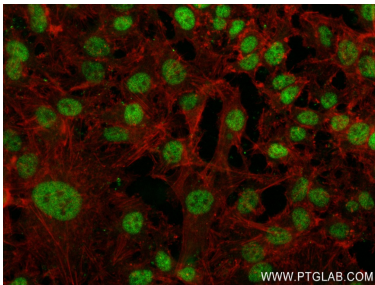
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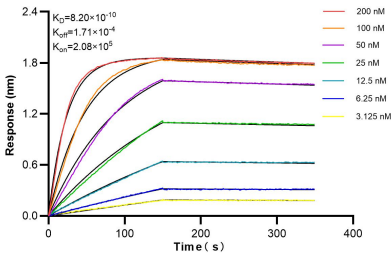
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84486-2-RR (GINS2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GINS2 antibody (84486-2-RR, Clone: 241870E9) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84486-2-RR against Human GINS2 were performed. The affinity constant is 0.82 nM.

1x10⁶ Jurkat cells were intracellularly stained with 0.25 ug GINS2 Recombinant antibody (84486-2-RR, Clone:241870E9) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).