

Rabbit anti-Human GINS3 Polyclonal Antibody | anti-GINS3 antibody

Anti-GINS3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127653	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

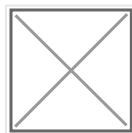
PRODUCT SYNONYMS

GINS3; Polyclonal Antibody; Anti-GINS3 Antibody Picoband; anti-GINS3 antibody

PRODUCT SPECIFICATIONS

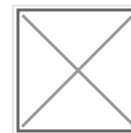
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-GINS3 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human GINS3 recombinant protein (Position: M1-D216). Human GINS3 shares 89.4% amino acid (aa) sequence identity with mouse GINS3.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of Caco-2 cells using anti-GINS3 antibody (AAA127653). Overlay histogram showing Caco-2 cells stained with AAA127653 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-GINS3 Antibody (AAA127653, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF (Immunofluorescence)

Figure 2. IF analysis of GINS3 using anti-GINS3 antibody (AAA127653). GINS3 was detected in an immunocytochemical section of Hela cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-GINS3 Antibody (AAA127653) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The tissue section was developed using Phalloidin-iFluor 488 Conjugated. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of GINS3 using anti-GINS3 antibody (AAA127653). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human SiHa whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GINS3 antigen affinity purified polyclonal antibody (#AAA127653) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GINS3 at approximately 25 kDa. The expected band size for GINS3 is at 25 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GINS3 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-GINS3 antibody	Primary Antibodies
References	1. Takayama, Y., Kamimura, Y., Okawa, M., Muramatsu, S., Sugino, A., Araki, H. GINS, a novel multiprotein complex required for chromosomal DNA replication in budding yeast. Genes Dev. 17: 1153-1165, 2003.2. Ueno, M., Itoh, M., Kong, L., Sugihara, K., Asano, M., Takakura, N. PSF1 is essential for early embryogenesis in mice. Molec. Cell Biol. 25: 10528-10532, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187169264
NCBI GeneID	64785
NCBI Accession #	NP_001119601
NCBI GenBank Nucleotide #	NM_001126129
UniProt Accession #	Q9BRX5; Q9H870; B2RDP3; E9PB21
Molecular Weight	28,775 Da
NCBI Official Full Name	DNA replication complex GINS protein PSF3 isoform a
NCBI Official Synonym Full Names	GINS complex subunit 3 (Psf3 homolog)
NCBI Official Symbol	GINS3
NCBI Official Synonym Symbols	PSF3
NCBI Protein Information	DNA replication complex GINS protein PSF3
UniProt Protein Name	DNA replication complex GINS protein PSF3
UniProt Gene Name	GINS3
UniProt Synonym Gene Names	PSF3
UniProt Entry Name	PSF3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gins3-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127653>