

Rabbit anti-Human PSF2/GINS2 Polyclonal Antibody | anti-PSF2/GINS2 antibody

Anti-PSF2/GINS2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127619	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

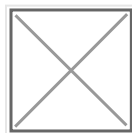
PRODUCT SYNONYMS

PSF2/GINS2; Polyclonal Antibody; Anti-PSF2/GINS2 Antibody Picoband; anti-PSF2/GINS2 antibody

PRODUCT SPECIFICATIONS

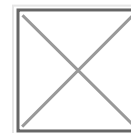
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PSF2/GINS2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human PSF2/GINS2 recombinant protein (Position: M1-F185). Human GINS2 shares 92.4% amino acid (aa) sequence identity with mouse GINS2.
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 JK cells using anti-PSF2/GINS2 antibody (AAA127619).Overlay histogram showing JK cells stained with AAA127619 (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-PSF2/GINS2 Antibody (AAA127619, 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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of A549 cells using anti-PSF2/GINS2 antibody (AAA127619).Overlay histogram showing A549 cells stained with AAA127619 (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-PSF2/GINS2 Antibody (AAA127619, 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.



WB (Western Blot)

Figure 1. Western blot analysis of PSF2/GINS2 using anti-PSF2/GINS2 antibody (AAA127619). 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 Hela whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human 293T 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-PSF2/GINS2 antigen affinity purified polyclonal antibody (#AAA127619) 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 PSF2/GINS2 at approximately 21 kDa. The expected band size for PSF2/GINS2 is at 21 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSF2/GINS2 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-PSF2/GINS2 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 #	7706367
NCBI GeneID	51659
NCBI Accession #	NP_057179.1
NCBI GenBank Nucleotide #	NM_016095.2
UniProt Accession #	Q9Y248
NCBI Official Full Name	DNA replication complex GINS protein PSF2
NCBI Official Synonym Full Names	GINS complex subunit 2
NCBI Official Symbol	GINS2
NCBI Official Synonym Symbols	PSF2; Pfs2; HSPC037
NCBI Protein Information	DNA replication complex GINS protein PSF2
UniProt Protein Name	DNA replication complex GINS protein PSF2
UniProt Gene Name	GINS2
UniProt Synonym Gene Names	PSF2
UniProt Entry Name	PSF2_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.

