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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-PSF2/GINS2 Antibody Picoband®

Catalog Number: A09943-3

About GINS2

DNA replication complex GINS protein PSF2 is a protein that in humans is encoded by the GINS2 gene. The yeast heterotetrameric GINS complex is made up of Sld5 (GINS4; MIM 610611), Psf1 (GINS1; MIM 610608), Psf2, and Psf3 (GINS3; MIM 610610). The formation of this complex is essential for the initiation of DNA replication in yeast and Xenopus egg extracts (Ueno et al., 2005 [PubMed 16287864]). See GINS1 for additional information about the GINS complex.

Overview

Product Name	Anti-PSF2/GINS2 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-PSF2/GINS2 Antibody Picoband® catalog # A09943-3. Tested in WB, IP, Flow Cytometry, ELISA applications. This antibody reacts with Human. 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.
Application	ELISA, Flow Cytometry, IP, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9Y248

Technical Details

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.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human

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	Immunoprecipitation, 0.5-2 ug/ml, Human Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, Human ELISA, 0.1-0.5 ug/ml, -

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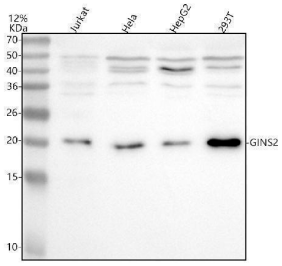
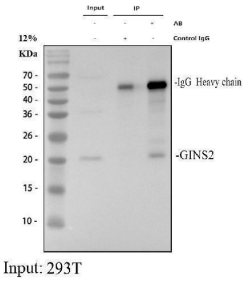
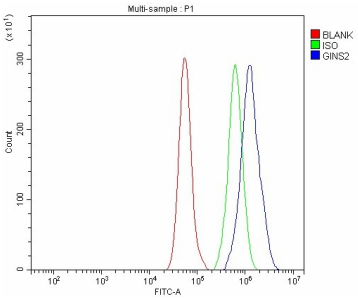
Anti-PSF2/GINS2 Antibody Picoband® (A09943-3) Images



Western blot analysis of PSF2/GINS2 using anti-PSF2/GINS2 antibody (A09943-3). 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 (Catalog # A09943-3) at 0.5 ug/mL overnight at 4°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 (Catalog # EK1002) 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.



Immunoprecipitating (IP) PSF2/GINS2 in 293T whole cell lysate. Western blot analysis of PSF2/GINS2 using anti-PSF2/GINS2 antibody (A09943-3); Lane 1: 293T whole cell lysates (30ug); Lane 2: Rabbit control IgG instead of anti-PSF2/GINS2 antibody in 293T whole cell lysate; Lane 3: anti-PSF2/GINS2 antibody (2ug) + 293T whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PSF2/GINS2 antigen affinity purified polyclonal antibody (A09943-3) at a dilution of 0.5 ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1196-200). A specific band was detected for PSF2/GINS2 at approximately 21 kDa. The expected band size for PSF2/GINS2 is at 21 kDa.



Flow Cytometry analysis of A549 cells using anti-PSF2/GINS2 antibody (A09943-3). Overlay histogram showing A549 cells stained with A09943-3 (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 (A09943-3, 1 ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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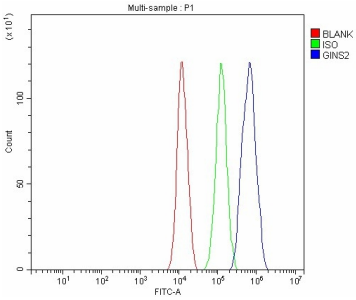

Flow Cytometry analysis of JK cells using anti-PSF2/GINS2 antibody (A09943-3). Overlay histogram showing JK cells stained with A09943-3 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PSF2/GINS2 Antibody (A09943-3, 1 ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

Anti-PSF2/GINS2 Antibody

For Research Use Only. Not for use in diagnostic procedures.