

Anti-GSG2/HASPIN Antibody Picoband®

Catalog Number: A31862-2

About HASPIN

Enables ATP binding activity and histone H3T3 kinase activity. Involved in several processes, including mitotic sister chromatid cohesion; mitotic spindle assembly checkpoint signaling; and protein localization to chromosome, centromeric region. Located in centrosome; nucleoplasm; and spindle.

Overview

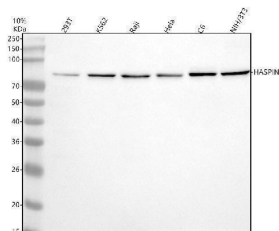
Product Name	Anti-GSG2/HASPIN Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GSG2/HASPIN Antibody Picoband® catalog # A31862-2. Tested in WB, ICC/IF, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is 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, IF, ICC, 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	Q8TF76

Technical Details

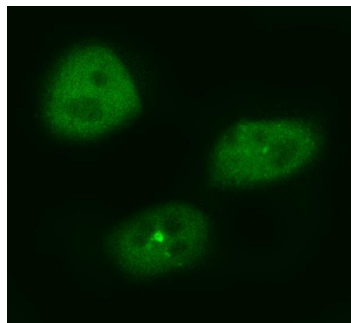
Immunogen	E.coli-derived human GSG2/HASPIN recombinant protein (Position: R86-K798). Human GSG2/HASPIN shares 65% amino acid (aa) sequence identity with mouse GSG2/HASPIN.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for ICC.
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, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human

	Flow Cytometry (Fixed), 1-3 ug/ 1×10^6 cells, Human ELISA, 0.1-0.5 ug/ml
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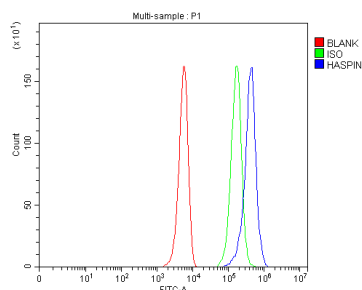
Anti-GSG2/HASPIN Antibody Picoband® (A31862-2) Images



Western blot analysis of GSG2/HASPIN using anti-GSG2/HASPIN antibody (A31862-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: human K562 whole cell lysates, Lane 3: human Raji whole cell lysates, Lane 4: human Hela whole cell lysates, Lane 5: rat C6 whole cell lysates, Lane 6: mouse NIH/3T3 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-GSG2/HASPIN antigen affinity purified polyclonal antibody (A31862-2) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for GSG2/HASPIN at approximately 88 kDa. The expected band size for GSG2/HASPIN is at 88 kDa.



IF analysis of GSG2/HASPIN using anti-GSG2/HASPIN antibody (A31862-2). GSG2/HASPIN was detected in an immunocytochemical section of MG63 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-GSG2/HASPIN Antibody (A31862-2) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



Flow Cytometry analysis of K562 cells using anti-GSG2/HASPIN antibody (A31862-2). Overlay histogram showing K562 cells stained with A31862-2 (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-GSG2/HASPIN Antibody (A31862-2, 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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Anti-GSG2/HASPIN Antibody

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