

Anti-GSTK1 Antibody Picoband®

Catalog Number: A06112-2

About GSTK1

Enables glutathione peroxidase activity and glutathione transferase activity. Acts upstream of or within glutathione metabolic process. Located in mitochondrion. Orthologous to human GSTK1 (glutathione S-transferase kappa 1).

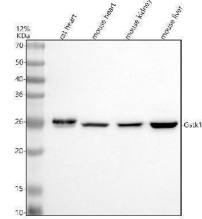
Overview

Product Name	Anti-GSTK1 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-GSTK1 Antibody Picoband® catalog # A06112-2. Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with 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, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
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	Q9DCM2

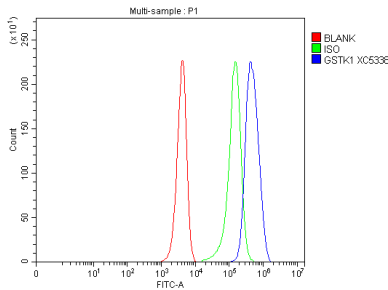
Technical Details

Immunogen	E.coli-derived mouse GSTK1 recombinant protein (Position: F23-Y178). Mouse GSTK1 shares 65.4% and 82.1% amino acid (aa) sequence identity with human and rat GSTK1, respectively.
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, Mouse, Rat Flow Cytometry (Fixed), 1-3 ug/1x10 ⁶ cells, Mouse ELISA, 0.1-0.5 ug/ml

Anti-GSTK1 Antibody Picoband® (A06112-2) Images



Western blot analysis of GSTK1 using anti-GSTK1 antibody (A06112-2). Electrophoresis was performed on a 12% 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: rat heart tissue lysates, Lane 2: mouse heart tissue lysates, Lane 3: mouse kidney tissue lysates, Lane 4: mouse liver tissue 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-GSTK1 antigen affinity purified polyclonal antibody (A06112-2) 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 GSTK1 at approximately 26 kDa. The expected band size for GSTK1 is at 25 kDa.



Flow Cytometry analysis of HEPA1-6 cells using anti-GSTK1 antibody (A06112-2). Overlay histogram showing HEPA1-6 cells stained with A06112-2 (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-GSTK1 Antibody (A06112-2, 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-GSTK1 Antibody

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