BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-Ig Kappa light chain/IGKC Antibody Picoband®

**Catalog Number:** A05470-1

## About IGKC

Predicted to enable antigen binding activity. Involved in adaptive immune response. Located in blood microparticle and extracellular exosome. Part of IgG immunoglobulin complex.

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## Overview

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| Product Name | Anti-Ig Kappa light chain/IGKC Antibody Picoband® |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Ig Kappa light chain/IGKC Antibody Picoband® catalog # A05470-1. Tested in WB, 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, 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 | P01834 |

## Technical Details

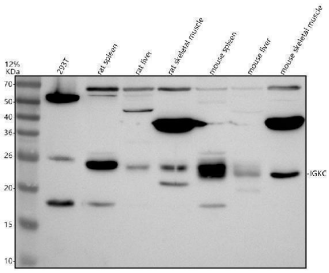
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|---|---|
| Immunogen | E.coli-derived human Ig Kappa light chain/IGKC recombinant protein (Position: S14-C107). |
| Form | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |

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| Suggested Dilutions | Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat<br>ELISA, 0.1-0.5 ug/ml |

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# Anti-Ig Kappa light chain/IGKC Antibody Picoband® (A05470-1) Images




Western blot analysis of Ig Kappa light chain/IGKC using anti-Ig Kappa light chain/IGKC antibody (A05470-1). 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: human 293T whole cell lysates, Lane 2: rat spleen tissue lysates, Lane 3: rat liver tissue lysates, Lane 4: rat skeletal muscle tissue lysates, Lane 5: mouse spleen tissue lysates, Lane 6: mouse liver tissue lysates, Lane 7: mouse skeletal muscle 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-Ig Kappa light chain/IGKC antigen affinity purified polyclonal antibody (A05470-1) 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 Ig Kappa light chain/IGKC at approximately 25 kDa. The expected band size for Ig Kappa light chain/IGKC is at 12 kDa.

Anti-Ig Kappa light chain/IGKC Antibody

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