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

# Anti-IL12 p40/IL12B Antibody Picoband®

**Catalog Number:** PA1468

## About IL12B

IL-12, Interleukin 12, heterodimerizes with the IL12 p35 subunit to form IL12 and with the IL23 p19 subunit to form IL23. IL12b p 40 exists as a monomer and as a homodimer. This gene encodes a subunit of Interleukin 12, a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The IL-12b gene contains 8 exons, the first and last of which are noncoding. By PCR analysis of DNA from rodent/human cell hybrids containing intact chromosomes or translocation chromosomes, the IL-12b gene is mapped to 5q31-q33.This cytokine has been found to be important for sustaining a sufficient number of memory/effector Th1 cells to mediate long-term protection to an intracellular pathogen.

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## Overview

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| Product Name | Anti-IL12 p40/IL12B Antibody Picoband® |
| Reactive Species | Human |
| Description | Boster Bio Anti-IL12 p40/IL12B Antibody catalog # PA1468. Tested in WB 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 | WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.<br>*This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | Store 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 freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | P29460 |

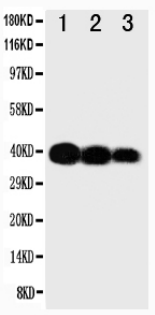
## Technical Details

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|---|---|
| Immunogen | A synthetic peptide corresponding to a sequence at the N-terminus of human IL-12(p40). |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| 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, 0.1-0.5ug/ml, Human |

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# Anti-IL12 p40/IL12B Antibody Picoband® (PA1468) Images




Anti-IL-12(p40) antibody, PA1468, Western blottingLane 1: Recombinant Human IL-12 Protein 10ngLane 2: Recombinant Human IL-12 Protein 5ngLane 3: Recombinant Human IL-12 Protein 2.5ng

## 1 Publications Citing This Product

1. PubMed ID: 19538477, Anti-arthritis activity of cationic materials

Visit bosterbio.com/anti-il-12-p40-antibody-pa1468-boster.html to see all 1 publications.

Anti-IL12 p40/IL12B Antibody

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