

## Anti-IL1 beta/IL1B Antibody Picoband®

Catalog Number: PA1341

### About IL1B

Interleukin-1 beta (IL-1beta) also known as catabolin, is a cytokine protein that in humans is encoded by the IL1B gene, which localizes to the long arm of chromosome 2 at position 2q13-2q21 between two fragile sites. Interleukin 1 (IL-1) is a protein with several biological activities regulating host defense and immune responses. The human IL-1 family plays an important role in the pathogenesis of many diseases and functions as a key mediator of the host response to various infectious, inflammatory, and immunologic challenges.

### Overview

Product Name	Anti-IL1 beta/IL1B Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-IL1 beta/IL1B Antibody catalog # PA1341. 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 Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *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	P01584

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human IL-1 beta.
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, Rat, Mouse

## Anti-IL1 beta/IL1B Antibody Picoband® (PA1341) Images



Anti-IL-1 beta antibody, PA1341, Western blotting  
Lane 1: Recombinant Human IL-1 beta Protein 20ng  
Lane 2: Recombinant Human IL-1 beta Protein 10ng

## 8 Publications Citing This Product

1. PubMed ID: 22942709, Qin Q, Niu J, Wang Z, Xu W, Qiao Z, Gu Y. Int J Mol Sci. 2012;13(7):8379-87. Doi: 10.3390/Ijms13078379. Epub 2012 Jul 5. Astragalus Membranaceus Inhibits Inflammation Via Phospho-P38 Mitogen-Activated Protein Kinase (Mapk) And Nuclear Factor (Nf)-...

2. PubMed ID: 25338658, Antenatal exposure of maternal secondhand smoke (SHS) increases fetal lung expression of RAGE and induces RAGE-mediated pulmonary inflammation

3. PubMed ID: 22553532, Effects of extract of Buddleja officinalis on partial inflammation of lacrimal gland in castrated rabbits with dry eye

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