

Anti-IL1 beta/IL1B Antibody

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
Reactive Species	Human
Description	Boster Bio Anti-IL1 beta/IL1B Antibody catalog # PA1341. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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.
Predicted Reactive Species	Bovine
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

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-IL1 beta/IL1B Antibody (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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