

Basic Information

Product Name	Anti-IL-1 beta/IL1B Antibody
Gene Name	IL1B
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	rat
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of rat IL-1 beta.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	17 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt, -20°C as supplied.

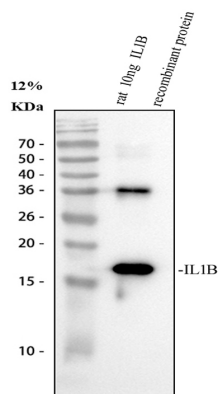
Background Information

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.

Reference

Anti-IL-1 beta/IL1B Antibody被引用在21文献中。

Selected Validation Data



Western blot analysis of IL-1 beta/IL1B using anti-IL-1 beta/IL1B antibody (BA14789).

Lane 1: recombinant rat IL-1 beta/IL1B protein 10 ng.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-IL-1 beta/IL1B antigen affinity purified polyclonal antibody (BA14789) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for IL-1 beta/IL1B at approximately 17 kDa.