

IL1B

Reactivity: Human Mouse

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 31kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human IL1B

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bip

Synonym:

IL1B; IL-1; IL1-BETA; IL1F2 ; IL1beta

Catalog #: A1112

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 3553

Isotype: IgG

Swiss Prot: P01584

Purity: Affinity purification

For research use only.

Background:

The 20S proteasome is the major proteolytic enzyme complex involved in intracellular protein degradation. PA700, PA28, and PA200 are three major protein Interleukin-1beta (IL-1beta), one of the major caspase-1 targets, is a multifunctional cytokine that is involved in a host of immune and proinflammatory responses (1). It is produced primarily by activated monocytes and macrophages. It signals through various adaptor proteins and kinases that lead to activation of numerous downstream targets (2-6). Human IL-1beta is synthesized as a 31 kDa precursor. To gain activity, the precursor must be cleaved by caspase-1 between Asp116 and Ala117 to yield a 17 kDa mature form (7,8). Detection of the 17 kDa mature form of IL-1beta is a good indicator of caspase-1 activity.

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