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IL1B

Reactivity: Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:100 - 1:200 IHC 1:50 - 1:100 IF 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:

Interleukin-1 beta; IL-1 beta; Catabolin; IL1F2; IL1B

Catalog #:A0301

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:3553

Isotype: IgG

Swiss Prot:P01584

Purity: Affinity purification

For research use only.

Background:

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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