Product Information Sheet

Polyclonal Anti- Interleukin-1 beta, *IL1B*

Catalogue No. PA1341

Lot No. 0131012124199

Ig type rabbit IgG

Size 100µg/vial

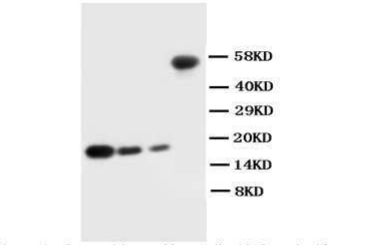
Specificity

Human

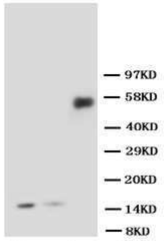
No cross reactivity with other proteins.

Recommended application

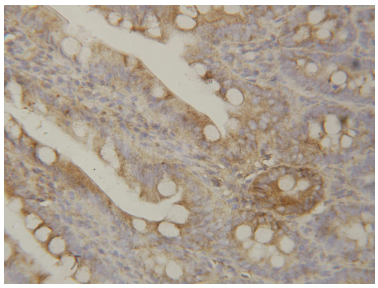
Western blot



Lane 1 : Recombinant Mouse IL-1B Protein 10ng
Lane 2 : Recombinant Mouse IL-1B Protein 5ng
Lane 3 : Recombinant Mouse IL-1B Protein 2.5ng
Lane 4 : MK(55KD)



Lane 1 : Recombinant Human IL-1B Protein 20ng
Lane 2 : Recombinant Human IL-1B Protein 10ng
Lane 3 : MK(55KD)



Immunogen

A synthetic peptide corresponding to a sequence at the C-terminal of human IL1B (249-269 aa), identical to the related mouse and rat sequence.

Purity

Immunogen affinity purified.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu	-	-
IHC-P	-	-	-	-
IHC-F	-	-	-	-
ELISA	-	-	-	-

WB: The detection limit for IL-1B is approximately 10ng/lane under non-reducing and reducing conditions.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

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Reconstitution	Storage
0.2ml of distilled water will yield a concentration of 500μg/ml.	At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

BACKGROUND

Interleukin-1 beta(IL-1β) also know 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.[1]Interleukin 1 (IL-1) is a protein with several biological activities regulating host defense and immune responses.[2] 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.[3]

REFERENCE

1、Webb, A. C., Collins, K. L., Auron, P. E., Eddy, R. L., Nakai, H., Byers, M. G., Haley, L. L., Henry, W. M., Shows, T. B. Interleukin-1 gene (IL1) assigned to long arm of human chromosome 2. Lymphokine Res. 5: 77-85, 1986.

2、Auron, P. E., Webb, A. C., Rosenwasser, L. J., Mucci, S. F., Rich, A., Wolff, S. M., Dinarello, C. A. Nucleotide sequence of human monocyte interleukin 1 precursor cDNA. Proc. Nat. Acad. Sci. 81: 7907-7911, 1984.

3、Dinarello, C. A. An update on human interleukin-1: from molecular biology to clinical relevance. J. Clin. Immun. 5: 287-297, 1985.

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