

## Rabbit IL1B Polyclonal Antibody | anti-IL1B antibody

IL1B antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                       | APPLICATIONS                       |
|-----------|--------|----------------------------------|------------------------------------|
| AAA200354 | Rabbit | Dog, Horse, Human, Mouse, Rabbit | Western Blot, Immunohistochemistry |

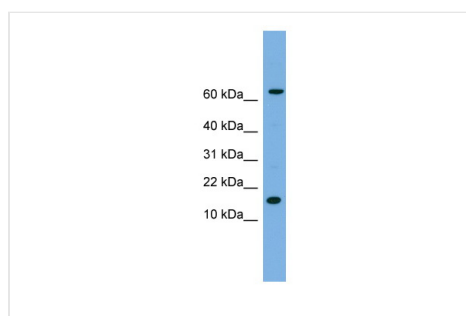
### PRODUCT SYNONYMS

IL1B; Polyclonal Antibody; IL1B antibody - N-terminal region; anti-IL1B antibody

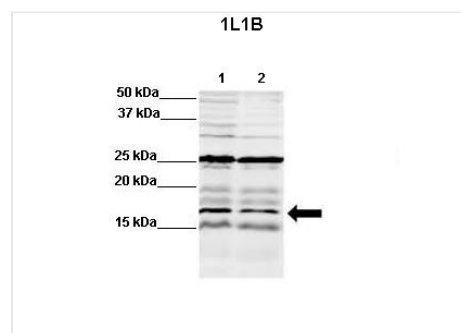
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Dog, Horse, Human, Mouse, Rabbit                                                                                                                      |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following sequence: MA EVPELASEMM AYYSGNEDDL FFEADGPKQM KCSFQDL DLC PLDGGIQL                                               |
| Sequence Length                                | 269                                                                                                                                                   |
| Applicable Applications for anti-IL1B antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Homology                                       | Dog: 92%; Horse: 86%; Human: 100%; Mouse: 75%; Rabbit: 92%                                                                                            |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the N terminal region of human IL1B                                                             |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES

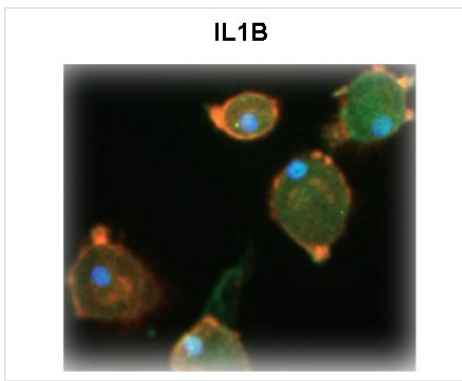


#### WB (Western Blot)

WB Suggested Anti-IL1B Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:12500  
Positive Control: HeLa cell lysate


#### WB (Western Blot)

WB Suggested Anti-IL1B Antibody  
Positive Control: Lane 1: 80ug rat brain extract  
Lane 2: 80ug mouse brain extract  
Primary Antibody Dilution : 1:500  
Secondary Antibody : IRDye 800  
CW goat anti-rabbit from Li-COR Bioscience  
Secondary Antibody Dilution : 1:20,000  
Submitted by: Dr. Yuzhi Chen, University of Arkansas for Medical Science



IHC (Immunohistochemistry)  
Human Macrophage

### ADDITIONAL INFORMATION

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Related Product Information for anti-IL1B antibody</b></p> | <p>This is a rabbit polyclonal antibody against IL1B. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: IL1B is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. The gene encoding IL1B and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.</p> |
| <p><b>Product Categories/Family for anti-IL1B antibody</b></p>   | <p>Polyclonal; Cell Cycle Proteins; Lymphocyte Signaling; Growth Factors &amp; Hormones; Drugs and Drug Metabolism ; Cell Biology; Immunology; Signal Transduction; Apoptosis; Disease Related; Meiosis/Mitosis/Cell Cycle; Immunohistochemistry; Acetylation; Hypoxia</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### NCBI AND UNIPROT INFORMATION

|                                  |                               |
|----------------------------------|-------------------------------|
| NCBI GI #                        | 10835145                      |
| NCBI GeneID                      | 3553                          |
| NCBI Accession #                 | NP_000567                     |
| NCBI GenBank Nucleotide #        | NM_000576                     |
| UniProt Accession #              | P01584                        |
| Molecular Weight                 | 17                            |
| NCBI Official Full Name          | interleukin-1 beta proprotein |
| NCBI Official Synonym Full Names | interleukin 1 beta            |
| NCBI Official Symbol             | IL1B                          |
| NCBI Official Synonym Symbols    | IL-1; IL1F2; IL1-BETA         |
| NCBI Protein Information         | interleukin-1 beta            |
| UniProt Protein Name             | Interleukin-1 beta            |
| UniProt Gene Name                | <b>IL1B</b>                   |
| UniProt Synonym Gene Names       | IL1F2; IL-1 beta              |
| UniProt Entry Name               | IL1B_HUMAN                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/il1b-antibody-western-blot-immunohistochemistry-elisa/200354>