

bs-25615R**[Primary Antibody]**

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IL-1 Beta Rabbit pAb**— DATASHEET —**

<p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: 16176</p> <p>Target: IL-1 Beta</p> <p>Immunogen: KLH conjugated synthetic peptide derived from mouse IL-1beta: 1-100/269.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.</p> <p>Background: The protein encoded by this gene 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. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq, Jul 2008].</p>	<p>Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)</p> <p>Reactivity: Mouse, Rat (predicted: Rabbit, Dog, Horse)</p> <p>Predicted MW.: 31 kDa</p> <p>Subcellular Location: Secreted</p>
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— SELECTED CITATIONS —

- **[IF=14.3]** Shunfen Zhang. et al. Mechanisms of Baicalin Alleviates Intestinal Inflammation: Role of M1 Macrophage Polarization and Lactobacillus amylovorus. ADV SCI. 2025 Apr;;2415948 WB,IF ;Piglet. 40200426
- **[IF=6.8]** Gao Zhicheng. et al. Melatonin alleviates chronic stress-induced hippocampal microglia pyroptosis and subsequent depression-like behaviors by inhibiting Cathepsin B/NLRP3 signaling pathway in rats. TRANSL PSYCHIAT. 2024 Mar;14(1):1-14 WB ;Rat. 38538614
- **[IF=5.3]** Xin Zhao. et al. EEBR induces Caspase-1-dependent pyroptosis through the NF-κB/NLRP3 signalling cascade in non-small cell lung cancer. J CELL MOL MED. 2024 Jan;; IF ;Mouse. 38214430
- **[IF=3.7]** Cuifang Lu. et al.Carvacrol Regulates the Expression of SLC25A6 by Inhibiting VDAC1 to Improve Mitochondrial Function and Reduce LPS-Induced Inflammatory Injury in HMEC-1 Cells.ACS OMEGA.2025 Feb 19;10(8):8512-8522. Western Blot ;Human. 40060777