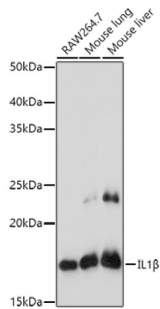
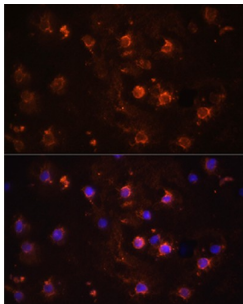


Interleukin 1 Beta (IL1B) Antibody

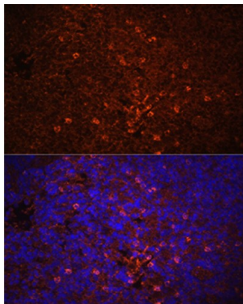
Catalogue No.: abx001029



Western blot analysis of various lysates using IL1 β Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 180s.



Immunofluorescence analysis of THP-1 cells using IL1 β Antibody at dilution of 1/100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Rat spleen using IL1 β Antibody at dilution of 1/100. Blue: DAPI for nuclear staining.

IL1B Antibody is a Rabbit Polyclonal antibody against IL1B. 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.

Target: Interleukin 1 Beta (IL1B)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IF/ICC

Host: Rabbit

Datasheet

Version: 3.0.0
Revision date: 23 Feb 2025



Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/1000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-269 of human IL1β.

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P01584 ([UniProt](#), [Expasy](#))

Gene Symbol: IL1B

GeneID: [3553](#)

NCBI Accession: NP_000567.1

KEGG: hsa:3553

String: [9606.ENSP00000263341](#)

Molecular Weight: Calculated MW: 31 kDa
Observed MW: 17 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: This product is for research use only.