

PRODUCT DATA SHEET

Bioworld Technology,Inc.

IL1β polyclonal antibody

Catalog: BS80003 Host: Rabbit Reactivity: Human, Mouse

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.

Product:

1 mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

35KDa/17KDa

Swiss-Prot:

P01584

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB,1:500 - 1:2000

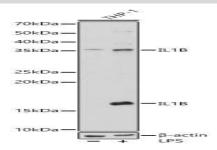
Storage&Stability:

Store at $4 \, \mathbb{C}$ short term. Aliquot and store at $-20 \, \mathbb{C}$ long term. Avoid freeze-thaw cycles.

Modification:

Unmodification

DATA:



Western blot analysis of THP-1, using IL1B antibody at 1:1000 dilution.THP-1 cells were treated by LPS at 37°C for 8 hours.

Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution.

Sh/>Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit .

Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution.

Sh/>Exposure time: 5s.

Note:

For research use only, not for use in diagnostic procedure.

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