

Anti-IL-1 beta Rabbit Monoclonal Antibody

Catalog Number: M00101-3

About IL1b

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3) . PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

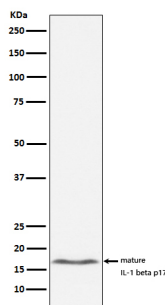
Product Name	Anti-IL-1 beta Rabbit Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-IL-1 beta Rabbit Monoclonal Antibody catalog # M00101-3. Tested in WB, IP, Flow Cytometry applications. This antibody reacts with Mouse.
Application	Flow Cytometry, IP, WB
Clonality	Monoclonal 28I10
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P10749

Technical Details

Immunogen	A synthesized peptide derived from human IL-1 beta
Isotype	IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:
WB 1:500-1:2000
IP 1:50
FC 1:50

Anti-IL-1 beta Rabbit Monoclonal Antibody (M00101-3) Images



Western blot analysis of IL1 beta expression in RAW 264.7 cell treated with Lipopolysaccharide (LPS) cell lysate.

3 Publications Citing This Product

1. PubMed ID: 10.3390/ijms150915806, NLRP3 Inflammasome Sequential Changes in Staphylococcus aureus-Induced Mouse Model of Acute Rhinosinusitis
2. PubMed ID: 10.1177/1534735416659358, Anti-inflammatory Effects of Phyllanthus emblica L on Benzopyrene-Induced Precancerous Lung Lesion by Regulating the IL-1beta/miR-101/Lin28B Signaling Pathway:
3. PubMed ID: 10.1016/j.intimp.2015.09.029, The natural compound celastrol inhibits necroptosis and alleviates ulcerative colitis in mice

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