

Anti-IL1 beta Rabbit Monoclonal Antibody

Catalog Number: M00101-1

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

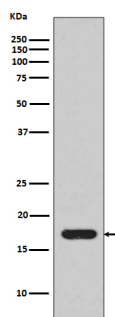
Product Name	Anti-IL1 beta Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-IL1 beta Rabbit Monoclonal Antibody catalog # M00101-1. Tested in WB application. This antibody reacts with Human.
Application	WB
Clonality	Monoclonal BII-9
Formulation	Rabbit IgG in phosphate buffered 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	P01584

Technical Details

Immunogen	A synthesized peptide derived from human IL1 beta
Isotype	Rabbit 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
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Anti-IL1 beta Rabbit Monoclonal Antibody (M00101-1) Images



Western blot analysis of extracts from recombinant IL1 beta, using IL1 beta antibody.

5 Publications Citing This Product

1. PubMed ID: -, Gang Zhong, Huiping Long, Shiting Ma, Yao Shunhan, Jia Li, Jun Yao, miRNA-335-5p relieves chondrocyte inflammation by activating autophagy in osteoarthritis, Life Sciences, Volume 226, 2019, Pages 164-172, ISSN 0024-3205, <https://doi.org/10.1016/j.lfs.2019.03.071>.
2. PubMed ID: 22942709, Qin Q, Niu J, Wang Z, Xu W, Qiao Z, Gu Y. Int J Mol Sci. 2012;13(7):8379-87. Doi: 10.3390/Ijms13078379. Epub 2012 Jul 5. Astragalus Membranaceus Inhibits Inflammation Via Phospho-P38 Mitogen-Activated Protein Kinase (Mapk) And Nuclear Factor (Nf)-...
3. PubMed ID: 25338658, Antenatal exposure of maternal secondhand smoke (SHS) increases fetal lung expression of RAGE and induces RAGE-mediated pulmonary inflammation

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