

Anti-Interleukin-6 IL6 Antibody

Catalog Number: PA1352

About IL6

Interleukin-6 (IL-6) is a protein that in humans is encoded by the IL6 gene. IL-6 is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. IL-6 is one of the most important mediators of fever and of the acute phase response. IL-6 is also essential for hybridoma growth and is found in many supplemental cloning media such as briclone. Bowcock et al. (1988) assigned the IL6 gene to chromosome 7p21. By in situ hybridization and Southern blot analysis of mouse-human hybrid cell lines, Sutherland et al. (1988) mapped the IL6 gene to chromosome 7p15.

Overview

Product Name	Anti-Interleukin-6 IL6 Antibody
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Interleukin-6 IL6 Antibody catalog # PA1352. Tested in WB applications. This antibody reacts with Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P20607

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of rat IL6, different from the related mouse sequence by two amino acids.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Mouse, Rat</p>

Anti-Interleukin-6 IL6 Antibody (PA1352) Images



Anti-IL-6 antibody, PA1352, Western blotting
Lane 1: Recombinant Mouse IL-6 Protein 10ng
Lane 2: Recombinant Mouse IL-6 Protein 5ng

41 Publications Citing This Product

1. PubMed ID: 33316740, Tan J, Luo J, Meng C, Jiang N, Cao J, Zhao J. Syringin exerts neuroprotective effects in a rat model of cerebral ischemia through the FOXO3a/NF-kappaB pathway. Int Immunopharmacol. 2020 Dec 11;90:107268. doi:10.1016/j.intimp.2020.107268. Epub ahead of print. PMID:333
2. PubMed ID: 28239811, The expression and significance of IL-6, IFN- γ , SM22 α , and MMP-2 in rat model of aortic dissection
3. PubMed ID: 29862173, Transfection with CXCR4 potentiates homing of mesenchymal stem cells in vitro and therapy of diabetic retinopathy in vivo

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