

## Anti-STAT6 Antibody Picoband® APC Conjugated

Catalog Number: PB9405-APC

### About STAT6

STAT6 is a human gene. The protein encoded by this gene is a member of the STAT family of transcription factors. The gene spans 19 kb and contains 23 exons. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X (L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2), expression of cell surface markers, and class switch of immunoglobulins.

### Overview

Product Name	Anti-STAT6 Antibody Picoband® APC Conjugated
Reactive Species	Human, Rat
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P42226

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human STAT6, different from the related mouse sequence by three amino acids.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

## 2 Publications Citing This Product

1. PubMed ID: 29393353, Hydrogen sulfide attenuates myocardial fibrosis in diabetic rats through the JAK/STAT signaling pathway
2. PubMed ID: 24674464, Li Z, Guan Yq, Liu Jm. Biomaterials. 2014 Jun;35(18):5016-27. Doi: 10.1016/J.Biomaterials.2014.03.004. Epub 2014 Mar 25. The Role Of Stat-6 As A Key Transcription Regulator In Hela Cell Death Induced By Ifn- $\gamma$ /Tnf- $\alpha$  Co-Immobilized On Nanoparticles.

Visit [bosterbio.com/anti-stat6-picoband-trade-antibody-pb9405-boster.html](http://bosterbio.com/anti-stat6-picoband-trade-antibody-pb9405-boster.html) to see all 2 publications.

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