

**Anti-STAT6 Picoband Antibody**  
Catalog # ABO12096**Specification**

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**Anti-STAT6 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P42226</a>
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Signal transducer and activator of transcription 6(STAT6) detection. Tested with WB in Human;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-STAT6 Picoband Antibody - Additional Information**

**Gene ID** 6778

**Other Names**

Signal transducer and activator of transcription 6, IL-4 Stat, STAT6

**Calculated MW**

94135 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Rat, Human <br>

**Subcellular Localization**

Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

**Protein Name**

Signal transducer and activator of transcription 6

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human STAT6(85-115aa ESIYQRDPLKLVATFRQILQGEKKAVMEQFR), different from the related mouse sequence by three amino acids.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins.

Storage

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

#### Sequence Similarities

Belongs to the transcription factor STAT family.

### Anti-STAT6 Picoband Antibody - Protein Information

**Name** STAT6

#### Function

Carries out a dual function: signal transduction and activation of transcription. Involved in IL4/interleukin-4- and IL3/interleukin-3-mediated signaling.

#### Cellular Location

Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation

### Anti-STAT6 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-STAT6 Picoband Antibody - Images



Anti- STAT6 Picoband antibody, ABO12096, Western blotting All lanes: Anti STAT6 (ABO12096) at 0.5ug/ml WB: Rat Brain Tissue Lysate at 50ug Predicted bind size: 94KD Observed bind size: 94KD

## **Anti-STAT6 Picoband Antibody - Background**

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.