

Datasheet for ABIN927756  
**anti-STAT5B antibody (N-Term)**



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3 Images

## Overview

Quantity:	100 µL
Target:	STAT5B
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Zebrafish (Danio rerio), Chicken, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT5B antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	STAT5 B antibody was raised in rabbit using the N terminal of STAT5 as the immunogen
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Chicken, Pig (Porcine), Cow (Bovine), Dog (Canine), Zebrafish (Brachydanio rerio), Frog
Purification:	Purified

## Target Details

Target:	STAT5B
Alternative Name:	STAT5B ( <a href="#">STAT5B Products</a> )
Background:	The protein is a member of the STAT family of transcription factors. 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

## Target Details

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act as transcription activators. This protein mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. The dysregulation of the signaling pathways mediated by this protein may be the cause of the APLL. Synonyms: Polyclonal STAT5B antibody, Anti-STAT5B antibody, signal transducer and activator of transcription 5B antibody, STAT5 antibody.

Pathways: [JAK-STAT Signaling](#), [RTK Signaling](#), [Response to Growth Hormone Stimulus](#), [C21-Steroid Hormone Metabolic Process](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [CXCR4-mediated Signaling Events](#), [Activated T Cell Proliferation](#)

## Application Details

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Application Notes: Optimal conditions should be determined by the investigator.

Comment: STAT5B Blocking Peptide, catalog no. 33R-1622, is also available for use as a blocking control in assays to test for specificity of this STAT5B antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

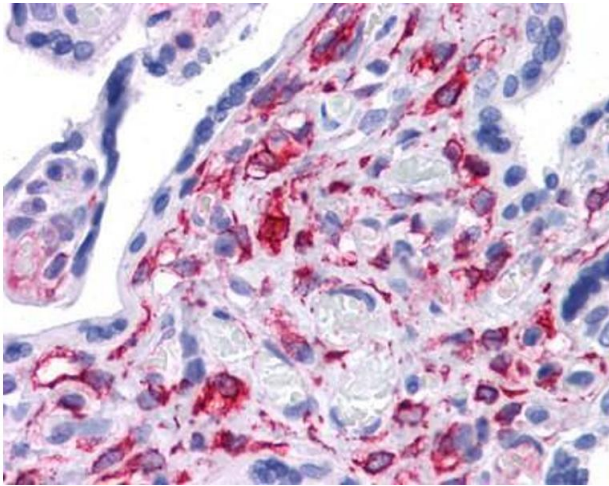
Concentration: Lot specific

Buffer: Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice: Avoid repeated freeze/thaw cycles.

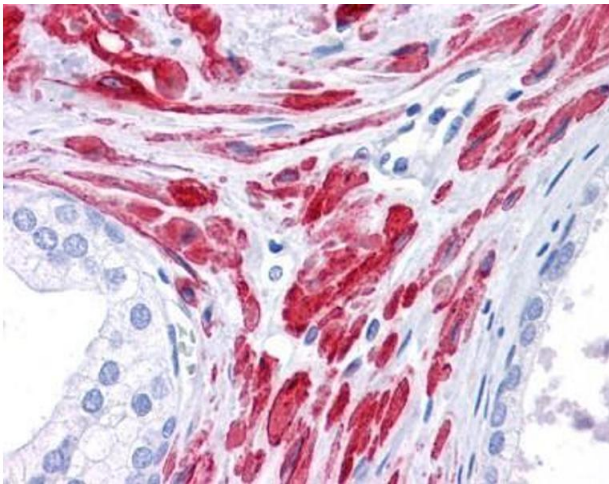
Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



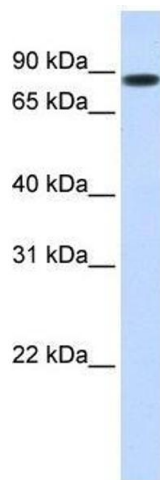
#### Immunohistochemistry

**Image 1.** STAT5B antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X



#### Immunohistochemistry

**Image 2.** STAT5B antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X



#### Western Blotting

**Image 3.** Western Blot showing STAT5B antibody used at a concentration of 1.0 ug/ml against Transfected 293T Cell Lysate