

Datasheet for ABIN927757 **anti-STAT5B antibody (C-Term)**



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3 Images

Overview

Quantity:	100 µL
Target:	STAT5B
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig, Zebrafish (Danio rerio), Chicken
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 C terminal of STAT5 as the immunogen
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Pig (Porcine), Zebrafish (Brachydanio rerio), Chicken, Cow (Bovine)
Purification:	Purified

Target Details

Target:	STAT5B
Alternative Name:	STAT5B (STAT5B Products)
Background:	STAT5B 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

act as transcription activators. STAT5B 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. 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

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

Comment: STAT5B Blocking Peptide, catalog no. 33R-3550, 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

Format: Lyophilized

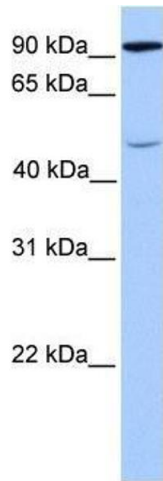
Concentration: Lot specific

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

Handling Advice: Avoid repeated freeze/thaw cycles.

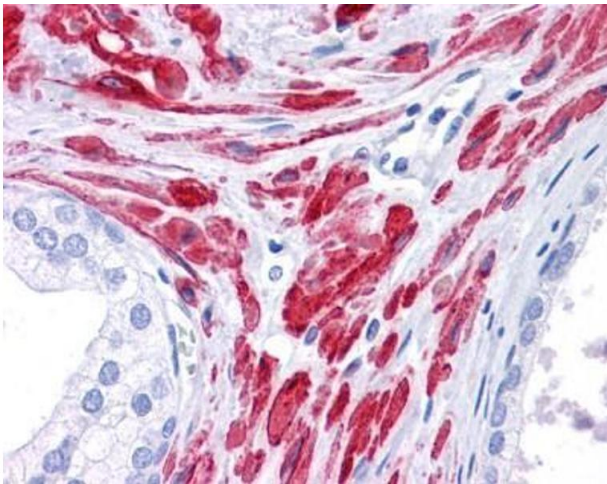
Storage: 4 °C/-20 °C

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



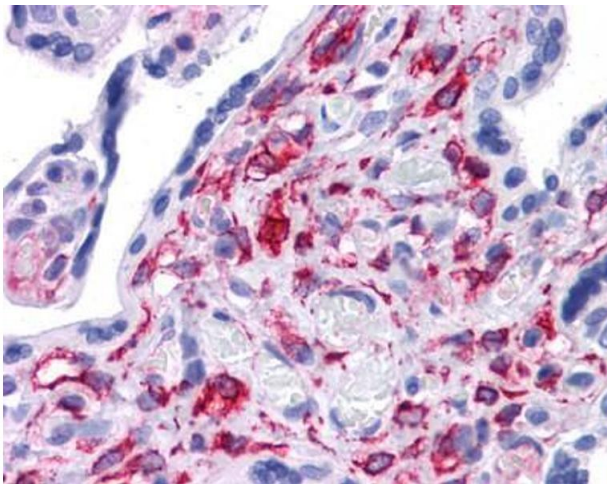
Western Blotting

Image 1. Western Blot showing STAT5B antibody used at a concentration of 1.0 ug/ml against Fetal Brain Lysate



Immunohistochemistry

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



Immunohistochemistry

Image 3. STAT5B antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X