

Datasheet for ABIN6256414
anti-STAT5B antibody (pSer731)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	STAT5B
Binding Specificity:	pSer731
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT5B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human STAT5B around the phosphorylation site of Ser731.
Isotype:	IgG
Specificity:	Phospho-STAT5B (Ser731) Antibody detects endogenous levels of STAT5B only when phosphorylated at Serine 731.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	STAT5B
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Target Details

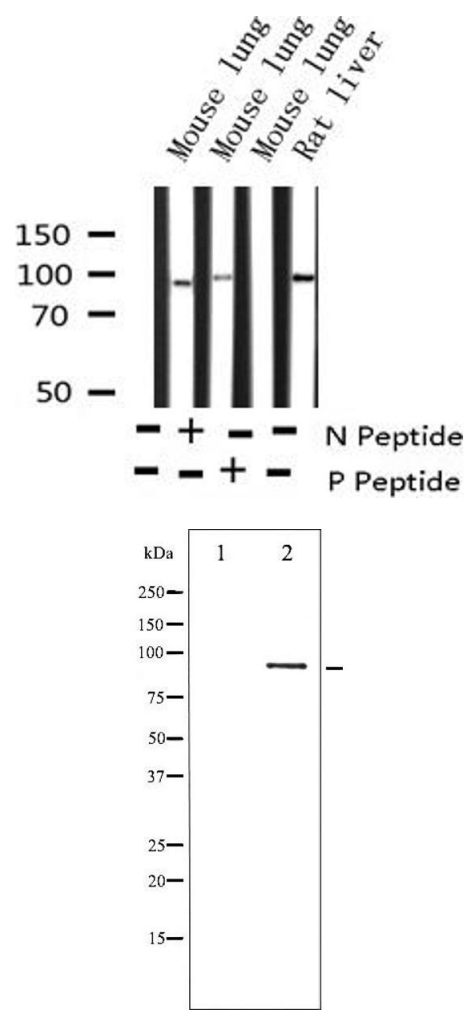
Alternative Name:	STAT5B (STAT5B Products)
Background:	<p>Description: Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Binds to the GAS element and activates PRL-induced transcription. Positively regulates hematopoietic/erythroid differentiation.</p> <p>Gene: STAT5B</p>
Molecular Weight:	90kDa
Gene ID:	6777
UniProt:	P51692
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:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

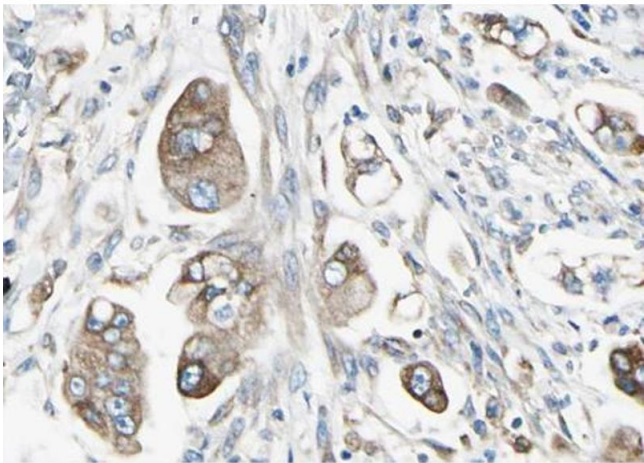


Western Blotting

Image 1. Western blot analysis of Phospho-STAT5B (Ser731) expression in various lysates

Western Blotting

Image 2. Western blot analysis of STAT5B phosphorylation expression in RAW264.7 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 3. ABIN6267549 at 1/100 staining human Stomach cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.