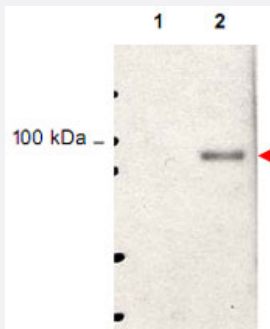


Stat5a (phospho Y694) polyclonal antibody

Catalog # PAB11307 Size 100 ug

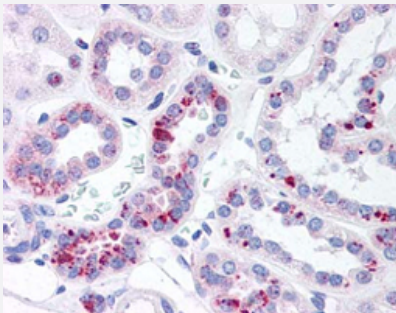
Applications



Western Blot (Cell lysate)

Western blot using Stat5a (phospho Y694) polyclonal antibody (Cat # PAB11307) shows detection of phosphorylated Stat5a (indicated by arrowhead at ~91 kDa) in NK92 cells after 30 min treatment with 1 ku of IL-2 (lane 2). No reactivity is seen for non-phosphorylated Stat5a in untreated cells (lane 1). The primary antibody at a 1 : 1,000 dilution, overnight at 4°C. Personal Communication from Ana Gamero, CCR-NCI, Bethesda, MD.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



Immunohistochemistry of Stat5a (phospho Y694) polyclonal antibody (Cat # PAB11307) was used at 20 ug/mL to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderate positive staining of distal convoluted tubules and collecting ducts of human kidney at 40X. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain. Personal Communication, Tina Roush, Life Span Biosciences, Seattle, WA.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Stat5a.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y694 of mouse Stat5a.
Host	Rabbit
Reactivity	Human, Mouse, Rat

Specificity	This antibody is specific to mouse Stat5alpha protein phosphorylated at Y694.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:25000) Western Blot (1:500-1:2000) Immunohistochemistry (20-40 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Personal Communication, Tina Roush, Life Span Biosciences, Seattle, WA.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — Stat5a

Entrez GeneID	20850
Protein Accession#	NP_035618;P42230
Gene Name	Stat5a

Gene Alias	AA959963, STAT5
Gene Description	signal transducer and activator of transcription 5A
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000002045 OTTMUSP00000002046 STAT5a variant delta E18 mammary gland factor STAT5A

Publication Reference

- [The modulation of STAT5A/GR complexes during fat cell differentiation and in mature adipocytes.](#)

Baugh JE Jr, Floyd ZE, Stephens JM.

Obesity (Silver Spring, Md.) 2007 Mar; 15(3):583.

Application: IP, WB, Mouse, 3T3-L1 cells

- [Interleukin-2 signaling via STAT5 constrains T helper 17 cell generation.](#)

Laurence A, Tato CM, Davidson TS, Kanno Y, Chen Z, Yao Z, Blank RB, Meylan F, Siegel R, Hennighausen L, Shevach EM, O'shea JJ.

Immunity 2007 Mar; 26(3):371.

- [IL-2 receptor beta-dependent STAT5 activation is required for the development of Foxp3+ regulatory T cells.](#)

Burchill MA, Yang J, Vogtenhuber C, Blazar BR, Farrar MA.

Journal of Immunology 2007 Jan; 178(1):280.