

Stat5 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08637
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human STAT5A. AA range:696-745
Mol wt	89866
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	Stat5 Antibody
Synonyms	STAT5A; STAT5; Signal transducer and activator of transcription 5A; STAT5B; Signal transducer and activator of transcription 5B

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by STAT5A (signal transducer and activator of transcription 5A) 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 act as transcription activators. This protein is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of STAT5A is found to induce the expression of BCL2L1/BCL-X (L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for STAT5A.

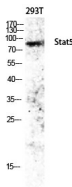
Recommended Dilution

IHC: 1: 100 - 1: 300

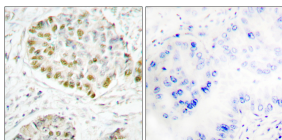
ELISA: 1: 5000

Not yet tested in other applications.

Images



Western blot analysis of 293T lysis using Stat5 antibody. Antibody was diluted at 1:500



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using STAT5A Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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