

For Research Use Only

STAT5A Polyclonal antibody

Catalog Number: 51074-2-AP



Basic Information

Catalog Number: 51074-2-AP	GenBank Accession Number: BC027036	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6776	Recommended Dilutions: WB 1:500-1:2400 IHC 1:20-1:200
Source: Rabbit	Full Name: signal transducer and activator of transcription 5A	
Isotype: IgG	Calculated MW: 794 aa, 92 kDa	
	Observed MW: 92 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : NIH/3T3 cells, HeLa cells, HepG2 cells IHC : human cervical cancer tissue, human breast cancer tissue, human lung cancer tissue
Species Specificity: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

STAT5A, also named as STAT5, belongs to the transcription factor STAT family. 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. STAT5A is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different GH. Activation of STAT5A in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for the tumorigenesis. The mouse counterpart of human STAT5A is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of STAT5A in cells. This antibody is specific to STAT5A. It has no cross reaction to STAT5B.

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

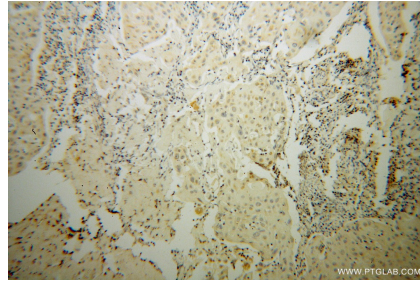
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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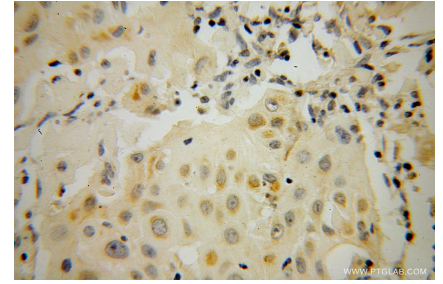
Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 51074-2-AP (STAT5A antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer using 51074-2-AP (STAT5A antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer using 51074-2-AP (STAT5A antibody) at dilution of 1:100 (under 40x lens).