

STAT5A

Polyclonal ANTIBODY

Catalog Number: 13179-1-AP

2 Publications

Basic Information

Catalog Number: 13179-1-AP	GenBank Accession Number: BC027036	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB IHC 1:50-1:500
Size: 31 µg/150 µl	GeneID (NCBI): 6776	
Source: Rabbit	Full Name: signal transducer and activator of transcription 5A	
Isotype: IgG	Calculated MW: 794aa, 92 kDa	
Purification Method: Antigen affinity purification	Observed MW: 90-95 kDa, 50-55 kDa	
Immunogen Catalog Number: AG3846		

Applications

Tested Applications: FC, IHC, IP, WB, ELISA	Positive Controls: WB : K-562 cells; 3T3-L1 cells, DU 145 cells IP : 3T3-L1 cells; IHC : human breast cancer tissue; human cervical cancer tissue
Cited Applications: IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	
Note: 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 growth hormones. 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 a rabbit polyclonal antibody raised against residues near the C terminus of human STAT5A.

Notable Publications

Author	Pubmed ID	Journal	Application
Bin Li	31037126	Theranostics	WB, IHC
Zhaoxing Dong	25888222	BMC Pulm Med	WB

Storage

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

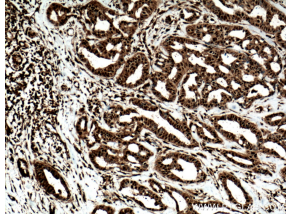
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

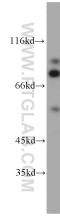
E: proteintech@ptglab.com
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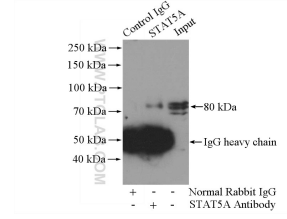
Selected Validation Data



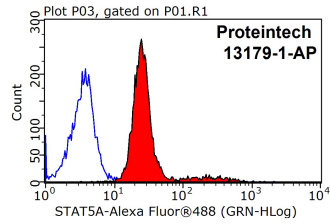
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13179-1-AP (STAT5A antibody) at dilution of 1:200 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH9).



K-562 cells were subjected to SDS PAGE followed by western blot with 13179-1-AP (STAT5A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



IP Result of anti-STAT5A (IP:13179-1-AP, 4ug; Detection: 13179-1-AP 1:1000) with 3T3-L1 cells lysate 3200ug.



1X10⁶ MCF-7 cells were stained with 0.2ug STAT5A antibody (13179-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.