

STAT5B Polyclonal Antibody

Catalog number: 12071-1-AP

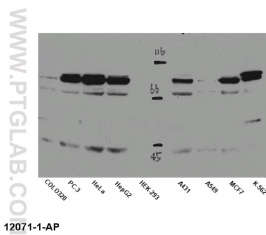
Size: 21 µg/150 µl

Source: Rabbit

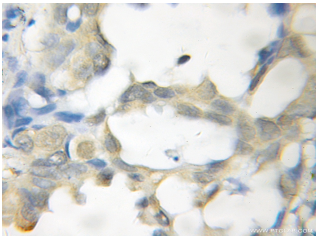
Isotype: IgG

Synonyms:

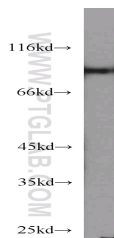
STAT5B; STAT5, STAT5B



WB result of anti-STAT5B (12071-1-AP) in different cell lysates.



Immunohistochemical of paraffin-embedded human lung cancer using 12071-1-AP(STAT5B antibody) at dilution of 1:100 (under 10x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 12071-1-AP(STAT5B antibody) at dilution of 1:1000

Background

STAT5B 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. STAT5B carries out a dual function: signal transduction and activation of transcription. STAT5B mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This antibody is a rabbit polyclonal antibody raised against residues near the N terminus of human STAT5B.

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated STAT5B MW:	787aa, 90 kDa
Observed STAT5B MW:	90kd
Positive WB detected in	HeLa cells, human brain tissue, human liver tissue, Jurkat cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human lung cancer tissue, human breast cancer tissue, human cervical cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

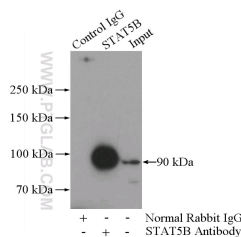
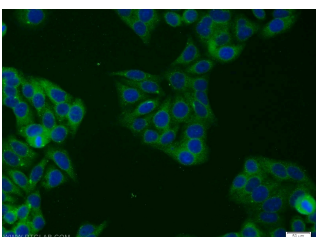
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2709
GenBank accession number:	BC020868
Gene ID (NCBI):	6777
Full name:	Signal transducer and activator of transcription 5B

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunofluorescent analysis

IP Result of anti-STAT5B

of HepG2 cells using 12071-1-AP (STAT5B Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (IP:12071-1-AP, 4ug; Detection:12071-1-AP 1:500) with HeLa cells lysate 1200ug.