

For Research Use Only

STAT5B-Specific Polyclonal antibody

Catalog Number: 51072-2-AP **2 Publications**



Basic Information

Catalog Number: 51072-2-AP	GenBank Accession Number: BC065227	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 ug/ml by Nanodrop and 147 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6777	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	ENSEMBL Gene ID: ENSG00000173757	
Isotype: IgG	UNIPROT ID: P51692	
	Full Name: signal transducer and activator of transcription 5B	
	Calculated MW: 90 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, Jurkat cells, K-562 cells, PC-3 cells
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

Background Information

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 specific to STAT5B. It has no cross reaction to STAT5A.

Notable Publications

Author	Pubmed ID	Journal	Application
Zelong Gong	36289622	Biomedicines	WB
Alycia Williams	39763651	Front Immunol	WB

Storage

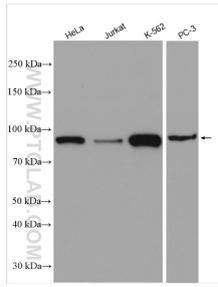
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

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)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 51072-2-AP (STAT5B-Specific antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.