

For Research Use Only

STAT5B-Specific Polyclonal antibody

Catalog Number: 51072-2-AP

2 Publications



Basic Information

Catalog Number:

51072-2-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 147 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC065227

GeneID (NCBI):

6777

ENSEMBL Gene ID:

ENSG00000173757

UNIPROT ID:

P51692

Full Name:

signal transducer and activator of transcription 5B

Calculated MW:

90 kDa

Observed MW:

90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HeLa cells, Jurkat cells, K-562 cells, PC-3 cells

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

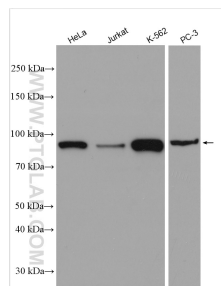
For technical support and original validation data for this product please contact:

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

E: proteintech@ptglab.com
W: ptglab.com

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.