

For Research Use Only

# GABPB1 Polyclonal antibody

Catalog Number: 12597-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

12597-1-AP

### Size:

150ul, Concentration: 570 µg/ml by Nanodrop and 413 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3208

### GenBank Accession Number:

BC016910

### GeneID (NCBI):

2553

### Full Name:

GA binding protein transcription factor, beta subunit 1

### Calculated MW:

347 aa, 38 kDa

### Observed MW:

36-45 kDa, 47-53 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:500-1:2000

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

IF, IHC, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

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**

### Positive Controls:

**WB**: A375 cells, MCF-7 cells, mouse lung tissue, HeLa cells, HepG2 cells, mouse testis tissue, Jurkat cells

**IP**: HeLa cells,

**IHC**: human testis tissue,

**IF**: HeLa cells,

## Background Information

GABPB1, also named as E4TF1B, GABPB, GABPB2, E4TF1-47 and E4TF1-53, is a transcription factor capable of interacting with purine rich repeats (GA repeats). It is necessary for the expression of the Adenovirus E4 gene. GABPB1 has 4 isoforms. The MW-of Beta 1 is 53kd and Beta-2 is 47kd(PMID:9525935). This antibody can recognize all the isoforms.

## Notable Publications

Author	Pubmed ID	Journal	Application
Andrew M McKinney	36130485	Cell Rep	
Zhumei Shi	36270249	Mol Cell	IP
Wenchuan Qi	31700067	Sci Rep	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

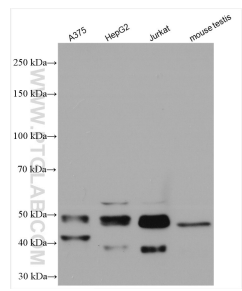
For technical support and original validation data for this product please contact:

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

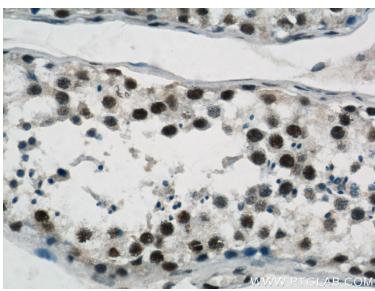
E: proteintech@ptglab.com  
W: ptglab.com

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

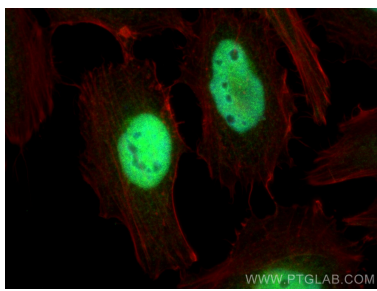
Selected Validation Data



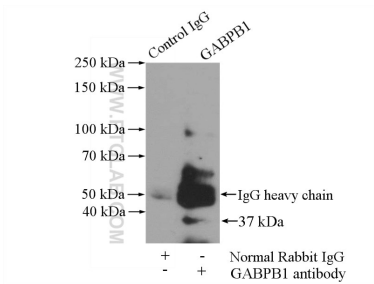
Various lysates were subjected to SDS PAGE followed by western blot with 12597-1-AP (GABPB1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 12597-1-AP (GABPB1 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GABPB1 antibody (12597-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP Result of anti-GABPB1 (IP:12597-1-AP, 4ug; Detection:12597-1-AP 1:1000) with HeLa cells lysate 520ug.