

For Research Use Only

GABPB1 Polyclonal antibody

Catalog Number: 12597-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

12597-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3208

GenBank Accession Number:

BC016910

GeneID (NCBI):

2553

UNIPROT ID:

Q06547

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

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/ICC : 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

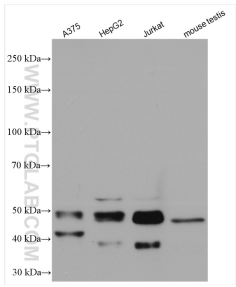
For technical support and original validation data for this product please contact:

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

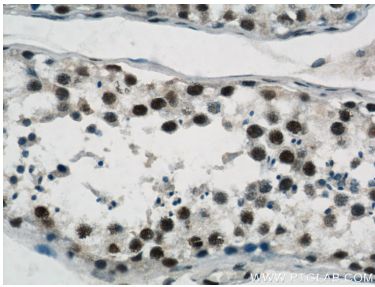
E: proteintech@ptglab.com
W: ptglab.com

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

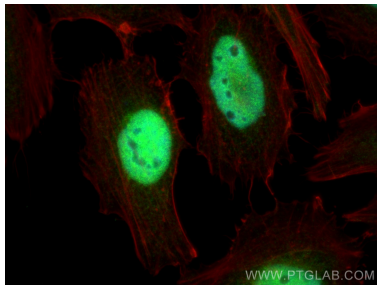
Selected Validation Data



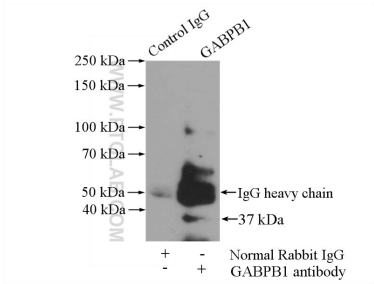
Various lysates were subjected to SDS PAGE followed by western blot with 12597-1-AP (GABPB1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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 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.