

For Research Use Only

GABPB2 Polyclonal antibody

Catalog Number: 20870-1-AP

1 Publications



Basic Information

Catalog Number: 20870-1-AP	GenBank Accession Number: BC027033	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 126626	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q8TAK5	
Isotype: IgG	Full Name: GA binding protein transcription factor, beta subunit 2	
Immunogen Catalog Number: AG14933	Calculated MW: 448 aa, 49 kDa	
	Observed MW: 49 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Jurkat cells, A375 cells, HEK-293 cells, HeLa cells
Cited Applications: IP	
Species Specificity: human, mouse, rat	
Cited Species: human	

Background Information

GABPB2 is a subunit of the GA-binding protein (GABP) transcription factor, which is a heterodimeric complex. The GABP complex plays a role in the regulation of gene transcription by binding to specific DNA sequences. GABPB2 specifically contributes to the transactivation of target genes (PMID: 18628204). The protein is primarily located in the nucleus. It is ubiquitously expressed in various tissues, including testis, ovary, and others. Studies have shown that GABPB2 is dispensable for normal lymphocyte development but moderately affects B cell responses (PMID: 18628204). Mice deficient in GABPB2 exhibit increased B cell proliferation and antibody production in response to certain stimuli. The molecular weight of GABPB2 is 48 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhumei Shi	36270249	Mol Cell	IP

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



Jurkat cells were subjected to SDS PAGE followed by western blot with 20870-1-AP (GABPB2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.