

For Research Use Only

# GABPA Monoclonal antibody, PBS Only

Catalog Number: 68645-1-PBS



## Basic Information

<b>Catalog Number:</b> 68645-1-PBS	<b>GenBank Accession Number:</b> BC035031	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2551	<b>CloneNo.:</b> 2A7E3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q06546	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> GA binding protein transcription factor, alpha subunit 60kDa	
<b>Immunogen Catalog Number:</b> AG33705	<b>Calculated MW:</b> 454 aa, 51 kDa	
	<b>Observed MW:</b> 56-60 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

GA-binding protein alpha chain (GABP alpha subunit, GABPA, nuclear respiratory factor 2 subunit alpha, transcription factor E4TF1-60) is one of three GA-binding protein transcription factor subunits which functions as a DNA-binding subunit. GABPA is a member of Ets family, binds to the Yap promoter and activates YAP transcription(23684612). Since this subunit shares identity with a subunit encoding the nuclear respiratory factor 2 gene, it is likely involved in activation of cytochrome oxidase expression and nuclear control of mitochondrial function. This subunit also shares identity with a subunit constituting the transcription factor E4TF1, responsible for expression of the adenovirus E4 gene. Because of its chromosomal localization and ability to form heterodimers with other polypeptides, this gene may play a role in the Down Syndrome phenotype.

## Storage

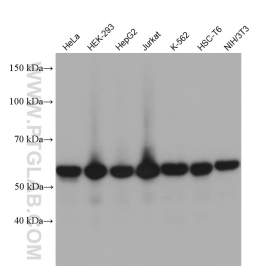
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

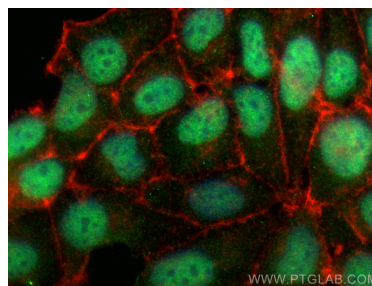
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68645-1-Ig (GABPA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68645-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using GABPA antibody (68645-1-Ig, Clone: 2A7E3 ) at dilution of 1:2000 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002), CL594-phalloidin (red). This data was developed using the same antibody clone with 68645-1-PBS in a different storage buffer formulation.