

For Research Use Only

GABPA Recombinant antibody, PBS Only

Catalog Number: 84951-4-PBS



Basic Information

Catalog Number: 84951-4-PBS	GenBank Accession Number: BC035031	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2551	CloneNo.: 242578F10
Source: Rabbit	UNIPROT ID: Q06546	
Isotype: IgG	Full Name: GA binding protein transcription factor, alpha subunit 60kDa	
Immunogen Catalog Number: AG16191	Calculated MW: 454 aa, 51 kDa	
	Observed MW: 56-60 kDa	

Applications

Tested Applications:
WB, IHC, 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

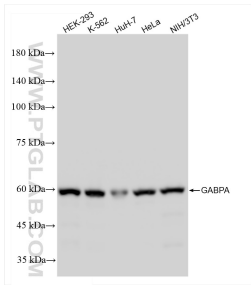
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

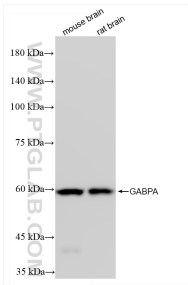
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

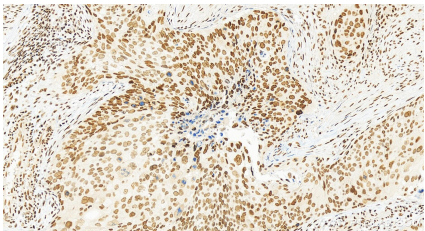
Selected Validation Data



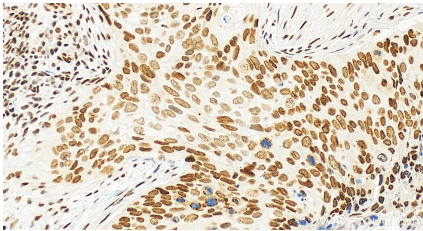
Various lysates were subjected to SDS PAGE followed by western blot with 84951-4-RR (GABPA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84951-4-PBS in a different storage buffer formulation.



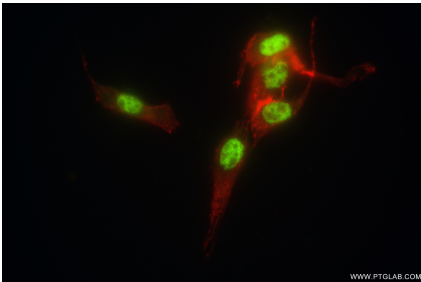
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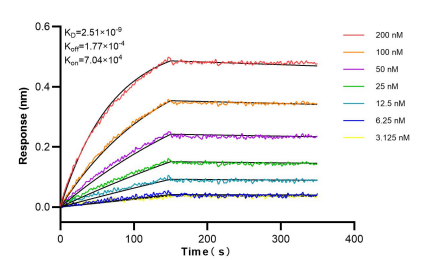
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 84951-4-RR (GABPA antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84951-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 84951-4-RR (GABPA antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84951-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using GABPA antibody (84951-4-RR, Clone: 242578F10) at dilution of 1:500 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84951-4-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84951-4-RR against Human GABPA were performed. The affinity constant is 2.51 nM.