

For Research Use Only

Phospho-GSK3A (Ser21) Polyclonal antibody

Catalog Number: 28875-1-AP



Basic Information

Catalog Number: 28875-1-AP	GenBank Accession Number: BC027984	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 2931	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	UNIPROT ID: P49840	
Isotype: IgG	Full Name: glycogen synthase kinase 3 alpha	
	Calculated MW: 483 aa, 51 kDa	
	Observed MW: 51 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Calyculin A treated PC-3 cells,
Species Specificity: Human	

Background Information

GSK3A (glycogen synthase kinase 3 alpha), one of the two functional isoforms encoded by the GSK3 gene, is a serine/threonine protein kinase that is involved in cell-cycle progression, differentiation, and apoptosis (PMID: 27049759). Glycogen synthase kinase-3 (GSK-3) was initially identified as an enzyme that regulates glycogen synthesis in response to insulin. GSK-3 is a critical downstream element of the PI3K/Akt cell survival pathway whose activity can be inhibited by Akt-mediated phosphorylation at Ser21 of GSK-3A and Ser9 of GSK-3B. GSK3A acts as a tumor suppressor and has important roles in acute myeloid leukemia (AML), prostate cancer, and pancreatic cancer (PMID: 22326953, 22539113, 23547054).

Storage

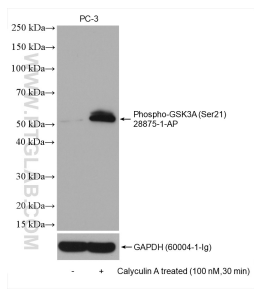
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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



Non-treated PC-3 and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 28875-1-AP (Phospho-GSK3A (Ser21) antibody) at dilution of 1:3000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.