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: 400 μg/ml	GenelD (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	
		Applications	Tested Applications: WB, ELISA 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 af Storage Buffer: PBS with 0.02% sodium azide and 50 Aliquoting is unnecessary for -20°C s	ter shipment. 0% glycerol pH 7.3. storage	

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



Non-treated PC-3 and Calyculin A treated 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 reblotted with GAPDH antibody as loading control.