

For Research Use Only

Phospho-AKT (Thr308) Recombinant antibody, PBS Only

Catalog Number: 81232-8-PBS



Basic Information

Catalog Number: 81232-8-PBS	GenBank Accession Number: BC000479	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 207	CloneNo.: 241845F1
Source: Rabbit	UNIPROT ID: P31749	
Isotype: IgG	Full Name: v-akt murine thymoma viral oncogene homolog 1	
	Calculated MW: 56 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

The serine-threonine kinase Akt, also known as protein kinase B (PKB), contributes to a broad range of cellular functions including cell survival, proliferation, gene expression and migration of cells of most lineages. AKT has a wide range of cellular substrates, and the oncogenicity of AKT arises from activation of both proliferative and anti-apoptotic signaling, thus making this kinase an attractive target for cancer therapy. Activation of mammalian AKT depends on its recruitment to the membrane through binding of phosphatidylinositol-3,4,5-trisphosphate (PIP3) to the PH domain of AKT, and subsequent phosphorylation at two key residues, Thr308 and Ser473, located at the catalytic domain and C-terminal regulatory domain, respectively. (PMID: 34740102, PMID: 29017516)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

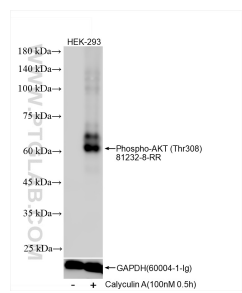
T: 4006900926

E: Proteintech-CN@ptglab.com

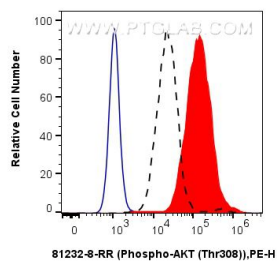
W: ptgcn.com

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

Selected Validation Data



Non-treated and Calyculin A treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 81232-8-RR (Phospho-AKT (Thr308) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 81232-8-PBS in a different storage buffer formulation.



1x10⁶ Calyculin A treated HeLa cells were intracellularly stained with 0.25 ug Phospho-AKT (Thr308) Recombinant antibody (81232-8-RR, Clone:241845F1) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH. This data was developed using the same antibody clone with 81232-8-PBS in a different storage buffer formulation.