

For Research Use Only

Phospho-APP (Thr668) Polyclonal antibody



Catalog Number: 28788-1-AP

Basic Information

Catalog Number: 28788-1-AP	GenBank Accession Number: BC065529	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 351	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	Full Name: amyloid beta (A4) precursor protein	
Isotype: IgG	Observed MW: 110 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : nocodazole treated SH-SY5Y cells,
Species Specificity: Human	

Background Information

Amyloid precursor protein (APP) is a membrane-spanning protein with a large extracellular domain and a much smaller intracellular domain (PMID: 25719338). APP is expressed in many tissues and concentrated in the synapses of neurons. The molecular weight of APP is 100-140 kDa due to the existence of several isoforms. The phosphorylation of APP at Thr668 is involved in the pathogenesis of Alzheimer's disease (AD). The Phospho-APP Thr668 form is neuron-specific, highly expressed in dystrophic neurites and amyloid plaques of Alzheimer disease, and induces neurodegeneration (PMID: 27076121).

Storage

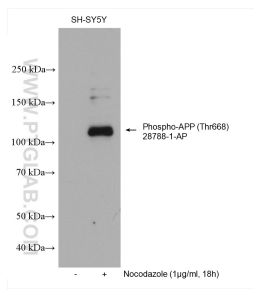
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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

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Selected Validation Data



Non-treated and nocodazole treated SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 28788-1-AP (Phospho-APP (Thr668) antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.