

For Research Use Only

# Phospho-APP (Thr668) Polyclonal antibody

Catalog Number: 28788-1-AP



## Basic Information

Catalog Number:

28788-1-AP

Size:

100ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC065529

GeneID (NCBI):

351

UNIPROT ID:

P05067

Full Name:

amyloid beta (A4) precursor protein

Observed MW:

110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : nocodazole treated SH-SY5Y cells,

## 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

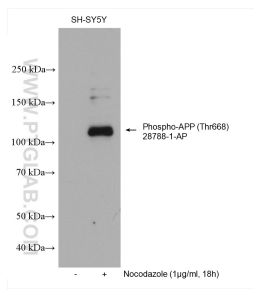
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://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 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.