

# Phospho-APP (Thr668) Polyclonal antibody

Catalog Number: **28788-1-AP**

## Basic Information

**Catalog Number:**

28788-1-AP

**Size:**

500 µg/ml

**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

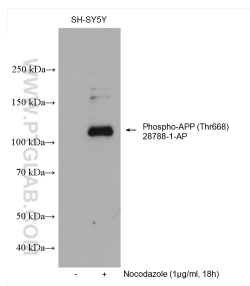
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## Selected Validation Data



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.