

35-1180: Polyclonal Antibody to APP (Phospho-668)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human, Mouse, Rat
Gene :	APP
Gene ID :	351
Uniprot ID :	P05067
Format :	Purified
Alternative Name :	AAA, AD1, PN2, ABPP, APPI
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of threonine 668 (A-V-T(p)-P-E) derived from Human APP.

Description

APP encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. Hung, A.Y. and Selkoe, D.J. (1994) EMBO J. 13, 534-542. Suzuki, T. et al. (1994) EMBO J. 13, 1114-1122 Ando, K. et al. (1999) J. Neurosci. 19, 4421-4427. Iijima, K.I. et al. (2000) J. Neurochem. 75, 1085-1091

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 100-140 kd, Western blotting: 1:500~1:1000

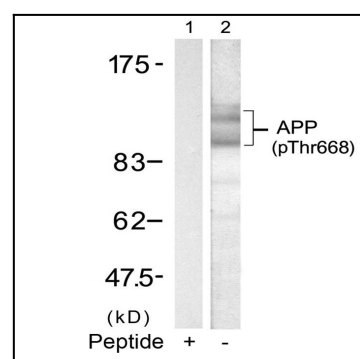


Figure 1: Western blot analysis of extracts from mouse brain tissue using APP(Phospho-668) Antibody 35-1180 (Lane 2) and the same antibody preincubated with blocking peptide (Lane 1).

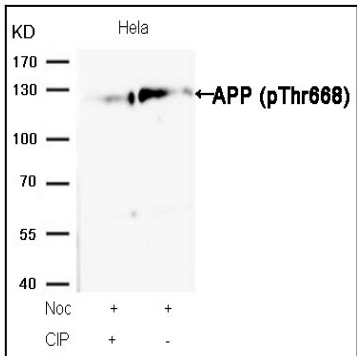


Figure 2: Western blot analysis of extracts from HeLa cells, treated with Noc or calf intestinal phosphatase (CIP), using APP (Phospho-Thr668) Antibody 35-1180 .