Datasheet for ABIN7138873

anti-APP antibody (pThr668)

2 Images

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Overview

Quantity:	100 µL
Target:	APP
Binding Specificity:	pThr668
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 668 (A-V-T(p)-P-E) derived from Human APP.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

Target Details

Target:	APP
Alternative Name:	APP (APP Products)

Target Details

Background:	Background: 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 Aliases: A4 antibody, A4_HUMAN antibody, AAA antibody, ABETA antibody, ABPP antibody, AICD-50 antibody, AICD-57 antibody, AICD-59 antibody, AID(50) antibody, AID(57) antibody, AID(59) antibody, Alzheimer disease amyloid protein antibody, Amyloid intracellular domain 50 antibody, Amyloid intracellular domain 57 antibody, Amyloid intracellular domain 59 antibody, APP antibody, APPI antibody, Beta amyloid protein 42 antibody, Beta APP42 antibody, Beta-APP40 antibody, Beta-APP42 antibody, C31 antibody, Cerebral vascular amyloid peptide antibody, CVAP antibody, Gamma-CTF(50) antibody, Gamma-CTF(57) antibody, Gamma-CTF(59) antibody, PN-II antibody, PreA4 antibody, Protease nexin-II antibody, S-APP-alpha antibody, S-APP-beta antibody
UniProt:	P05067
Pathways:	Caspase Cascade in Apoptosis, EGFR Signaling Pathway, Transition Metal Ion Homeostasis, Skeletal Muscle Fiber Development, Toll-Like Receptors Cascades, Feeding Behaviour

Application Details

Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only

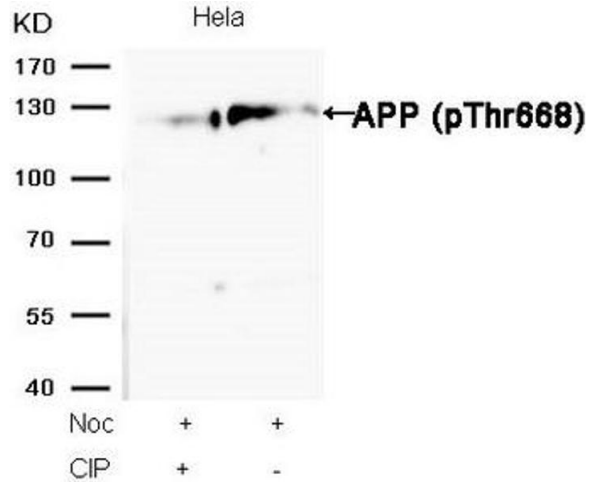
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM

Handling

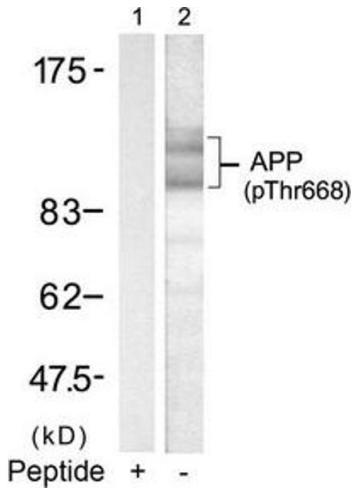
	NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from Hela cells, treated with Noc or calf intestinal phosphatase (CIP), using APP (Phospho-Thr668) Antibody.



Western Blotting

Image 2. Western blot analysis of extracts from mouse brain tissue using APP(Phospho-668) Antibody(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).