

Datasheet for ABIN1531173
anti-APP antibody (pThr743)

3 Images



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Overview

Quantity:	100 µL
Target:	APP
Binding Specificity:	AA 711-760, pThr743
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human Amyloid beta A4 around the phosphorylation site of Thr743/668.
Isotype:	IgG
Specificity:	Amyloid beta A4 (Phospho-Thr743/668) Antibody detects endogenous levels of Amyloid beta A4 only when phosphorylated at Thr743/668. PhosphorylationH:T743 M:T743 R:T743
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

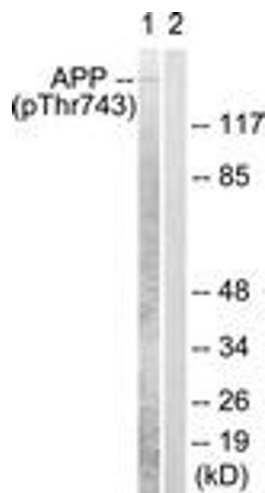
Target:	APP
Abstract:	APP Products
Background:	Synonyms: A4, ABPP, AD1, APP, APPI, Alzheimer's disease amyloid protein, Amyloid beta A4 protein precursor, Beta-amyloid protein 40, Beta-amyloid protein 42, C31, C83, CVAP, Cerebral vascular amyloid peptide, Gamma-CTF(50), Gamma-CTF(57), Gamma-CTF(59), P3(40), P3(NCBI Gene Symbol: APP
Molecular Weight:	86 kDa
Gene ID:	351
OMIM:	104300
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 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:10000
Comment:	Unigene-Number: Hs.434980 (NCBI Gene Symbol: APP)
Restrictions:	For Research Use only

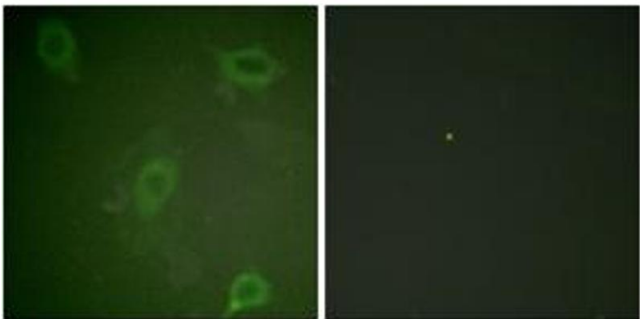
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM 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
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



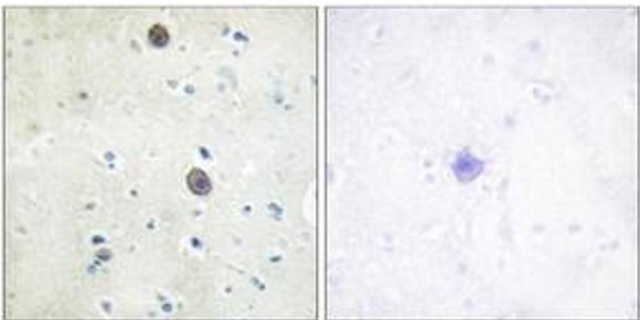
Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells, using Amyloid beta A4 (Phospho-Thr743/668) Antibody. The lane on the right is treated with the synthesized peptide.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cells, using Amyloid beta A4 (Phospho-Thr743/668) Antibody. The picture on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 3. Immunohistochemistry analysis of paraffin-embedded human brain, using Amyloid beta A4 (Phospho-Thr743/668) Antibody. The picture on the right is treated with the synthesized peptide.