

Amyloid beta A4 Antibody | anti-APP antibody

Amyloid beta A4 (Phospho-Thr743/668) Antibody

CATALOG # AAA110535	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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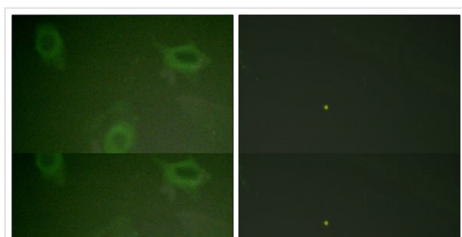
PRODUCT SYNONYMS

Amyloid beta A4; Amyloid beta A4 (Phospho-Thr743/668) Antibody; 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(42); PN-II; PreA4; Protease nexin-II; Soluble APP-alpha (S-APP-alpha); Soluble APP-beta (S-APP-beta); anti-APP antibody

PRODUCT SPECIFICATIONS

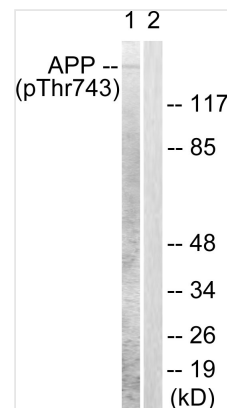
Reactivity	Human, Mouse, Rat
Specificity	Amyloid beta A4 (phospho-Thr743/668) antibody detects endogenous levels of Amyloid beta A4 only when phosphorylated at threonine 743.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	770
Applicable Applications for anti-APP antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Amyloid beta A4 around the phosphorylation site of threonine 743 (A-V-TP-P-E).
All Sites	Human: Thr743 Mouse: Thr743 Rat: Thr743
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



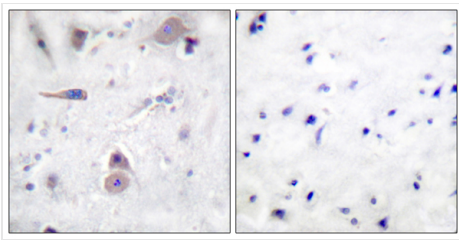
IF (Immunofluorescence)

P-peptide-+ Immunofluorescence analysis of HeLa cells, using Amyloid beta A4 (phospho-Thr743/668) antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using Amyloid beta A4 (phospho-Thr743/668) antibody.



IHC (Immunohistochemistry)
P-peptide-+ Immunohistochemical analysis of paraffin-embedded human brain tissue using Amyloid beta A4 (phospho-Thr743/668) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-APP antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Ming-Sum Lee J. Cell Biol., Oct 2003; 163: 83. Tadashi Nakaya and Toshiharu Suzuki Genes Cells, Jun 2006; 11: 633-645 Keun-A Chang, Mol. Cell. Biol., Jun 2006; 26: 4327-4338. Thor D. Stein J. Neurosci., Sep 2004; 24: 7707-7717.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502167
NCBI GeneID	351
NCBI Accession #	NP_000475.1
NCBI GenBank Nucleotide #	NM_000484.3
UniProt Accession #	P05067; P09000; P78438; Q13764; Q13778; Q13793; Q16011; B2R5V1; B4DII8; D3DSD1; D3DSD2; D3DSD3
Molecular Weight	84,521 Da
NCBI Official Full Name	amyloid-beta A4 protein isoform a
NCBI Official Synonym Full Names	amyloid beta precursor protein
NCBI Official Symbol	APP
NCBI Official Synonym Symbols	AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma
NCBI Protein Information	amyloid-beta A4 protein
UniProt Protein Name	Amyloid-beta A4 protein
UniProt Gene Name	APP
UniProt Synonym Gene Names	A4; AD1; APP; CVAP; PN-II; S-APP-alpha; S-APP-beta; Beta-CTF; Abeta42; Abeta40; Alpha-CTF; AICD-59; AID(59); AICD-57; AID(57); AICD-50; AID(50)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.