

Rabbit APP Polyclonal Antibody | anti-APP antibody

APP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA168774	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

APP; Polyclonal Antibody; APP Antibody; AAA; ABETA; ABPP; AD1; APPI; CTFgamma; CVAP; PN2; amyloidP; Amyloid beta A4 protein; A4; Beta Amyloid; anti-APP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	770
Applicable Applications for anti-APP antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	N term -peptide of human APP
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-53822 / sc-32277 / sc-58508 / sc-28365 / sc-65642
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



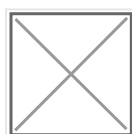
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse testis using APP antibody at dilution of 1:200 (x400 lens)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach cancer using APP antibody at dilution of 1:200 (x400 lens)



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using APP antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-APP antibody	Amyloid beta (Abeta) precursor protein (APP) is a 100-140 kDa transmembrane glycoprotein that exists as several isoforms (1). The amino acid sequence of APP contains the amyloid domain (Abeta), which can be released by a two-step proteolytic cleavage (1). The extracellular deposition and accumulation of the released Abeta fragments form the main components of amyloid plaques in Alzheimer's disease (1). APP can be phosphorylated at several sites, which may affect the proteolytic processing and secretion of this protein (2-5). Phosphorylation at Thr668 (at a position corresponding to the APP695 isoform) by cyclin-dependent kinase is cell cycle-dependent and peaks during G2/M-phase (4). APP phosphorylated at Thr668 exists in adult rat brain and correlates with cultured neuronal differentiation (5, 6).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112927
NCBI GeneID	351
Molecular Weight	84,521 Da
NCBI Official Full Name	Amyloid beta A4 protein
NCBI Official Synonym Full Names	amyloid beta (A4) precursor protein
NCBI Official Symbol	APP
NCBI Official Synonym Symbols	AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; CTFgamma
NCBI Protein Information	amyloid beta A4 protein; alzheimer disease amyloid protein; beta-amyloid peptide; beta-amyloid peptide(1-40); beta-amyloid peptide(1-42); cerebral vascular amyloid peptide; peptidase nexin-II; preA4; protease nexin-II
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; AICD-59; AID(59); AICD-57; AID(57); AICD-50; AID(50)
UniProt Entry Name	A4_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/app-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/168774>