

Mouse anti-Human, Pig APP Monoclonal Antibody | anti-APP antibody

APP Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA102697	Mouse	Human, Pig	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

APP; Monoclonal Antibody; APP Mouse Monoclonal; A4; ABPP; Alzheimer disease amyloid protein; cerebral vascular amyloid peptide; Beta-amyloid precursor protein; CV AP; PreA4; anti-APP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Pig
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	8B9
Purity/Purification	Purification: Protein A+G purification. Purity: > = 95% as determined by SDS-PAGE.
Form/Format	Liquid; PBS with 0.02% sodium azide and 50% glycerol pH 7.3
Sequence Length	32
Applicable Applications for anti-APP antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Amyloid beta A4 precursor protein.
Preparation and Storage	-20°C for up to 12 months (Avoid repeated freeze/thaw cycles.)

IMAGES



WB (Western Blot)

HEK-293 cells were subjected to SDS PAGE followed by western blot with AAA102697 (APP Antibody) at dilution of 1:1000



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human gliomas tissue slide using AAA102697 (APP Antibody) at dilution of 1:200

ADDITIONAL INFORMATION

Related Product Information for anti-APP antibody

Beta-amyloid peptides are lipophilic metal chelators with metal-reducing activity. Bind transient metals such as copper, zinc and iron. In vitro, can reduce Cu(2+) and Fe(3+) to Cu(+) and Fe(2+), respectively. Beta-amyloid 42 is a more effective reductant than beta-amyloid 40. Beta-amyloid peptides bind to lipoproteins and apolipoproteins E and J in the CSF and to HDL particles in plasma, inhibiting metal-catalyzed oxidation of lipoproteins. Beta-APP42 may activate mononuclear phagocytes in the brain and elicit inflammatory responses. Promotes both tau aggregation and TPK II-mediated phosphorylation. Interaction with overexpressed HADH2 leads to oxidative stress and neurotoxicity. Also binds GPC1 in lipid rafts.

The gamma-CTF peptides as well as the caspase-cleaved peptides, including C31, are potent enhancers of neuronal apoptosis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	257380
NCBI GeneID	351
UniProt Accession #	P05067; P09000; P78438; Q13764; Q13778; Q13793; Q16011; B2R5V1; B4DII8; D3DSD1; D3DSD2; D3DSD3
Molecular Weight	Observed MW: 100 kDa
NCBI Official Full Name	amyloid protein, partial
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; 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; 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/monoclonal/app-antibody-clone-8b9-immunohistochemistry-western-blot-elisa/102697>