

anti- APP antibody

Product Information

Catalog No.:	FNab00513
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	8B9
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen:	amyloid beta A4 precursor protein
Synonyms:	A4, ABPP, Alzheimer disease amyloid protein, Cerebral vascular amyloid peptide, Beta-amyloid precursor protein, CVAP, PreA4
Observed MW:	100 kDa
Uniprot ID :	P05067

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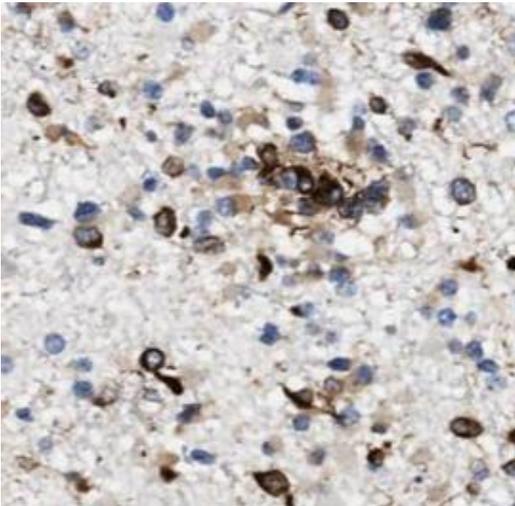
Application

Reactivity: Human, Pig

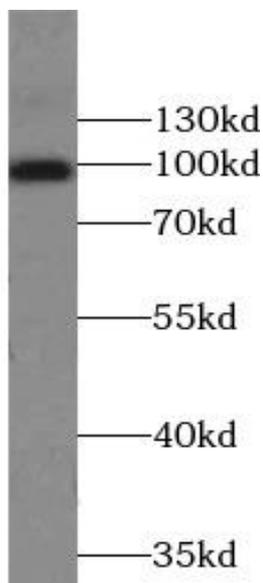
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using FNab00513(APP Antibody) at dilution of 1:200



HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab00513(APP Antibody) at dilution of 1:1000

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