Monoclonal Antibody to APP

Cat. # Mab-606032

Description:
Amyloid precursor protein(APP) ,with 32-amino acid protein (about 35 kDa), is part of a super-family of transmembrane and secreted proteins. It appears to have a number of roles, including regulation of haemostasis and mediation of neuroprotection. APP undergoes alternative splicing, resulting in several isoforms . Proteolytic cleavage of amyloid precursor protein leads to the formation of the 4 kDa amyloid beta/A4 protein, which is present in human platelets. APP is also involved in the formation of neurofibrillary tangles and plaques that characterize the senile plaques of Alzheimer patients.

Immunogen/Specificity:
Ni-NTA purified truncated recombinant APP expressed in E. Coli strain BL21 (DE3)

Applications :
Western Blot: 1: 500- 1: 2,000
IHC(P): 1: 500- 1: 2,000
IHC(F): 1: 500- 1: 2,000
ELISA: Propose dilution 1: 10,000.
Determining optimal working dilutions by titration test.

Formulation
Antibodies are purified by protein A affinity chromatography.

References
1.Yuzhi Chen, Wenyun Liu, Donna L, et al.
J. Cell Biol., Oct 2003; 163: 27.
2.Robert Spoelgen, Christine A. F. von Arnim, et al.
J. Neurosci., Jan 2006; 26: 418 - 428.

Clone Number: 1B11F3
Isotype: IgG2a
Species: Human
Storage and Stability: at -20oC

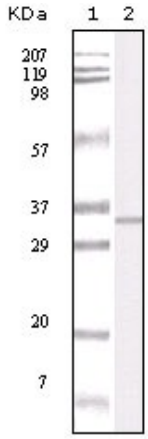

Figure 1: Western blot analysis using anti- human APP monoclonal antibody against truncated APP recombinant protein.

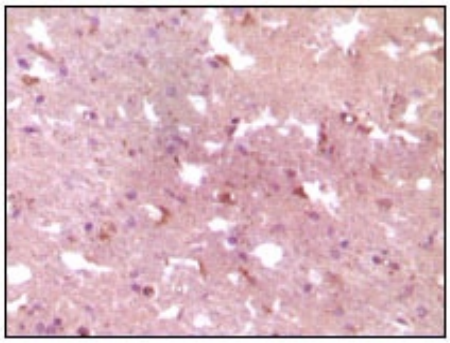

Figure 2: Immunohistochemical analysis of paraffin-embedded human Alzheimer brain tissue, showing cytoplasmic localization, using APP antibody with DAB staining.

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