

APP Antibody

*Amyloid Beta A4 Protein, Mouse Anti Human
ABM0038*

Product Overview

Name APP Antibody

Description

Amyloid Beta A4 Protein, Mouse Anti Human

Synonyms

Amyloid beta A4 protein, ABPP, APPI, APP, Alzheimer disease amyloid protein, Cerebral vascular amyloid peptide, CVAP, PreA4, Protease nexin-II, PN-II, APP, A4, AD1, AAA, PN2, ABETA, CTFgamma.

Introduction

Amyloid beta A4 protein (APP) functions as a cell surface receptor and transmembrane precursor protein which is cleaved by secretases to form a number of peptides. A number of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to stimulate transcriptional activation, whereas others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. APP gene mutations are implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy).

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

APP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS LEVP TDGNAGLLAE PQIAMFCGRL NMHMNVQNGK
WSDPSGTKT CIDTKEGILQ YCQEVYPELQ ITNVVEANQP VTIQNWCKRG RKQCKTHPHF VIPYRCLVGE
FVSDALLVPD KCKFLHQERM DVCETHLHWH TVAKETCSEK STNLHDYGML LPCGIDKFRG VEFVCCPLAE
ESDNVDSADA EEDDSVWWG GADTDYADGS EDKVVEVAEE EEVAEVEEEEE ADDDEDEDG DEVEEEAEEP

YEEATERTTS IATTTTTTTE SVEEVVRE.

Precautions

APP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.