Datasheet

**Amyloid-beta 1-42 monoclonal antibody, clone 12F4**

**Catalog Number:** MAB4647

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against synthetic peptide of Amyloid-beta 1-42.

**Clone Name:** 12F4

**Immunogen:** A synthetic peptide (conjugated with KLH) corresponding to last 6 amino acids of human Amyloid-beta (ABx-42).

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IHC-P, WB
(See our web site product page for detailed applications information)

**Protocols:** See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

**Specificity:** Reactive to the C-terminus of beta amyloid and specific to the isoform ending at the 42nd amino acid.

**Form:** Liquid

**Isotype:** IgG1

**Recommend Usage:** Western Blot (1:100-1:1000)
ELISA (1:10000-1:1000000)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)(1:100-1:2000)
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS

**Storage Instruction:** Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

**Gene Symbol:** APP

**Gene Alias:** AAA, ABETA, ABPP, AD1, APPI, CTFgamma, CVAP, PN2

**Gene Summary:** This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq]

**References:**

**Entrez GeneID:** 351