

# **Product datasheet for TA504968**

### OriGene Technologies, Inc.

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### Amyloid Precursor Protein (APP) Mouse Monoclonal Antibody [Clone ID: OTI1E6]

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: OTI1E6
Applications: IF, WB

**Reactivity:** WB 1:2000, IF 1:100 **Reactivity:** Human, Mouse, Rat

Host: Mouse Isotype: IgG2a

Clonality: Monoclonal

**Immunogen:** Full length human recombinant protein of human APP(NP\_000475) produced in HEK293T

cell

**Formulation:** PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Concentration: 1 mg/ml

**Purification:** Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 85.1 kDa

**Gene Name:** amyloid beta precursor protein

Database Link: NP 000475

Entrez Gene 11820 MouseEntrez Gene 54226 RatEntrez Gene 351 Human

P05067





#### Background:

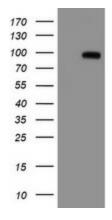
This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein 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]

Synonyms: AAA; ABETA; ABPP; AD1; APPI; CTFgamma; CVAP; PN-II; PN2

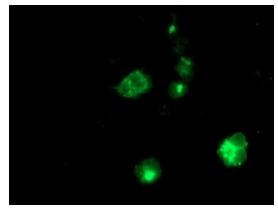
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Alzheimer's disease

# **Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY APP ([RC221339], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-APP. Positive lysates [LY424694] (100ug) and [LC424694] (20ug) can be purchased separately from OriGene.



Anti-APP mouse monoclonal antibody (TA504968) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY APP ([RC221339]).