

APP(Ab-668) Antibody

Catalog No: #21204

Package Size: #21204-1 50ul #21204-2 100ul

Description

Product Name	APP(Ab-668) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total APP protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.666~670 (A-V-T-P-E) derived from Human APP.
Conjugates	Unconjugated
Target Name	APP
Other Names	AAA; AD1; PN2; ABPP; APPI
Accession No.	Swiss-Prot: P05067NCBI Protein: NP_000475.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

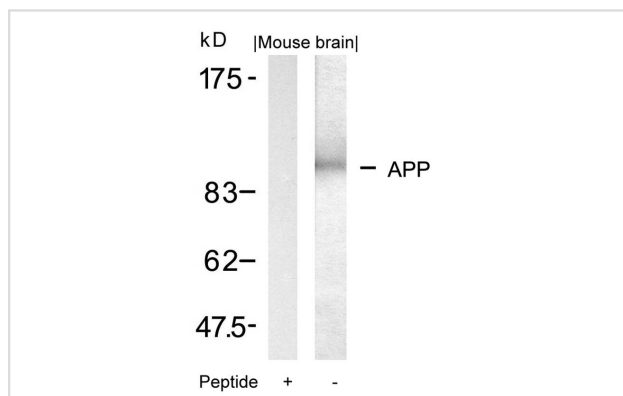
Application Details

Predicted MW: 100-140 kd

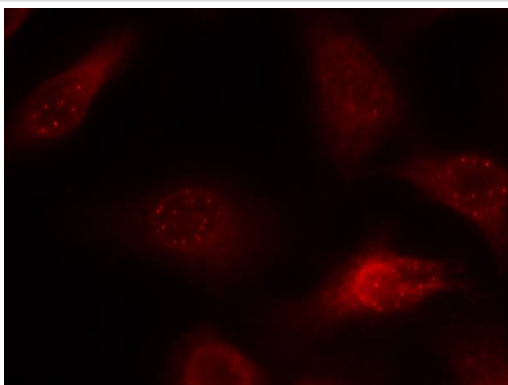
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from mouse brain tissue using APP(Ab-668) Antibody #21204 and the same antibody preincubated with blocking peptide.



Immunofluorescence staining of methanol-fixed MCF cells using APP(Ab-668) Antibody #21204.

Background

APP 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.

Hung, A.Y. and Selkoe, D.J. (1994) EMBO J. 13, 534-542.

Suzuki, T. et al. (1994) EMBO J. 13, 1114-1122

Ando, K. et al. (1999) J. Neurosci. 19, 4421-4427.

Iijima, K.I. et al. (2000) J. Neurochem. 75, 1085-1091

Note: This product is for in vitro research use only and is not intended for use in humans or animals.