Datasheet for ABIN306462

anti-APP antibody (AA 18-289)

2 Images

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Overview

Quantity:	100 µL
Target:	APP
Binding Specificity:	AA 18-289
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This APP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human APP (18-289aa) purified from E. coli
Clone:	J4H9
Isotype:	IgG2b kappa
Purification:	The antibody was purified from mouse ascitic fluids by protein-G affinity chromatography

Target Details

Target:	APP
Alternative Name:	APP/Protease Nexin II (APP Products)
Background:	Amyloid precursor protein (APP) is the precursor molecule whose proteolysis generates

Target Details

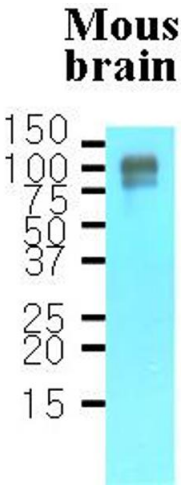
	amyloid beta (AB), a 39- to 42- amino acid peptide and this amyloid fibrillar form is the primary component of amyloid plaques found in the brains of Alzheimer's diseases patients. APP is an integral membrane protein that is phosphorylated in the cytoplasmic and extracellular domains. It has been reported that cell-surface APP plays a role in neurite extension of primary cultured hippocampal neurons. The large extracellular domain of APP is also reported to bind extracellular matrix molecules such as heparin, laminin, and collagen, which can mediate cell adhesion and neurite outgrowth. Abnormal regulation of the metabolism of APP may contribute to the deposition of plaques.
NCBI Accession:	NP_000475
Pathways:	Caspase Cascade in Apoptosis, EGFR Signaling Pathway, Transition Metal Ion Homeostasis, Skeletal Muscle Fiber Development, Toll-Like Receptors Cascades, Feeding Behaviour

Application Details

Application Notes:	Recommended dilution 1:1000
Restrictions:	For Research Use only

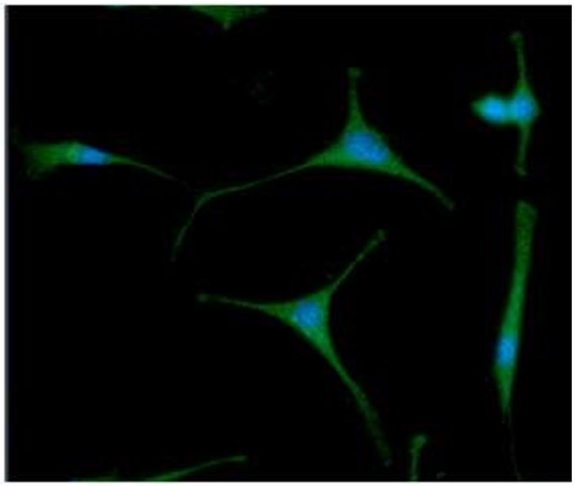
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	In Phosphate-Buffered Saline (pH7.4) with 0.1% Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



Western Blotting

Image 1.



Immunofluorescence

Image 2. ICC/IF analysis of APP in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human APP antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).