

For Research Use Only

APP Recombinant monoclonal antibody

Catalog Number: 86777-1-RR



Basic Information

Catalog Number:

86777-1-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC065529

GeneID (NCBI):

351

UNIPROT ID:

P05067

Full Name:

amyloid beta (A4) precursor protein

Observed MW:

100-140 kDa

Purification Method:

Protein A purification

CloneNo.:

251785E2

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : fetal human brain tissue, rat brain tissue, mouse brain tissue, FAD3T mouse brain tissue

Background Information

A β derives from APP via proteolytic cleavage by proteases called α -, β - and γ -secretase. The α -secretase cleavage precludes the formation of A β , while the β - and γ -cleavages generate APP components with amyloidogenic features. Amyloid beta A4 precursor protein (APP), encoded by APP gene which locate on human chromosome 21q, is a cell surface receptor and performs physiological functions on the surface of neurons relevant to neurite growth, neuronal adhesion and axonogenesis. APP expressed in all fetal tissues and is pronounced in brain, kidney, heart and spleen, but weak in liver. Defects in APP are the cause of Alzheimer disease type 1 (AD1). Amyloid β (A β) precursor protein (APP) is a 100-140 kDa transmembrane glycoprotein that exists as several isoforms.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

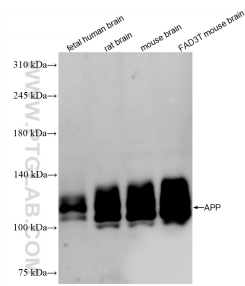
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86777-1-RR (total APP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.