

For Research Use Only

APP Recombinant antibody

Catalog Number: 84829-6-RR



Basic Information

Catalog Number:

84829-6-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3070

GenBank Accession Number:

NM_000484.3

GeneID (NCBI):

351

UNIPROT ID:

P05067-1

Full Name:

amyloid beta (A4) precursor protein

Calculated MW:

87 kDa

Observed MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

250546B3

Recommended Dilutions:

WB: 1:5000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: fetal human brain tissue,

Background Information

Aβ derives from APP via proteolytic cleavage by proteases called α-, β- and γ-secretase. The α-secretase cleavage precludes the formation of Aβ, 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 (Aβ) precursor protein (APP) is a 100-140 kDa transmembrane glycoprotein that exists as several isoforms. APP can be cleaved into several chains, this antibody could recognize N-terminal fragment of APP (N-APP).

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:

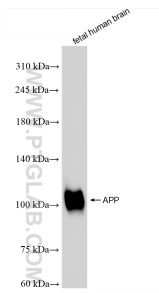
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 84829-6-RR (APP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.