

For Research Use Only

APP Polyclonal antibody

Catalog Number: 10524-1-AP

3 Publications



Basic Information

Catalog Number:

10524-1-AP

Size:

150ul, Concentration: 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0769

GenBank Accession Number:

BC004369

GeneID (NCBI):

351

UNIPROT ID:

P05067

Full Name:

amyloid beta (A4) precursor protein

Calculated MW:

87 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human, mouse, rat

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). This antibody can recognize the N-terminus of human APP: Soluble APP-alpha and Soluble APP-beta.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuxia Xu	25150572	Neurobiol Aging	WB
Yan Zhang	27498414	Int J Biol Macromol	WB
Guoqing Wang	36623431	Neurotoxicology	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

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