

For Research Use Only

APP Polyclonal antibody

Catalog Number: 10524-1-AP **3 Publications**



Basic Information

Catalog Number: 10524-1-AP	GenBank Accession Number: BC004369	Purification Method: Antigen affinity purification
Size: 133 μ g/ml	GeneID (NCBI): 351	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P05067	
Isotype: IgG	Full Name: amyloid beta (A4) precursor protein	
Immunogen Catalog Number: AG0769	Calculated MW: 87 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human brain tissue,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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). 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

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

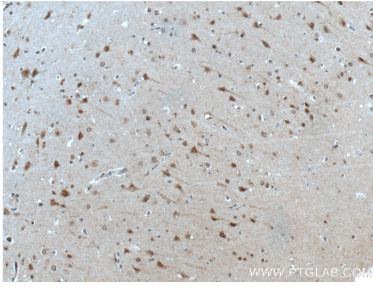
T: 4006900926

E: Proteintech-CN@ptglab.com

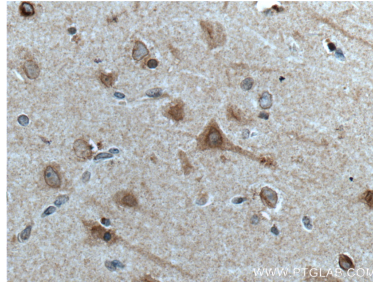
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 10524-1-AP (Amyloid beta (A4) precursor protein antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 10524-1-AP (Amyloid beta (A4) precursor protein antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).