

For Research Use Only

Beta Amyloid Monoclonal antibody



Catalog Number: 60342-1-Ig **5 Publications**

Basic Information

Catalog Number: 60342-1-Ig	GenBank Accession Number: BC004369	Purification Method: Protein A purification
Size: 150ul , Concentration: 1120 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 351	CloneNo.: 5C2A1
Source: Mouse	Full Name: amyloid beta (A4) precursor protein	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Isotype: IgG2a	Calculated MW: 87 kDa	
Immunogen Catalog Number: AG0769	Observed MW: 100 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Y79 cells, HEK-293 cells IHC : human gliomas tissue,
Cited Applications: IF, IHC, WB	
Species Specificity: human, pig, rat	
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).

Notable Publications

Author	Pubmed ID	Journal	Application
Chao Zhou	31509519	Aging (Albany NY)	WB, IF
Naoki Nishida	28666147	Cardiovasc Pathol	IHC
Yu-Meng Zhang	34333330	Phytomedicine	WB

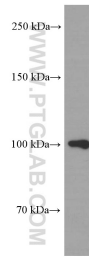
Storage

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

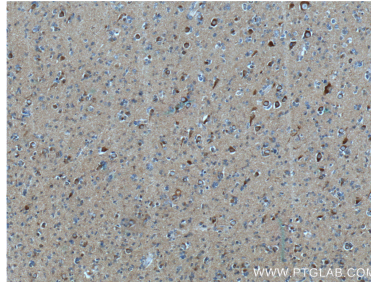
For technical support and original validation data for this product please contact:
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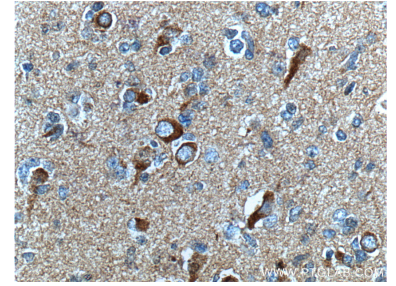
Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 60342-1-Ig (APP Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 60342-1-Ig (APP Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 60342-1-Ig (APP Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).