

For Research Use Only

APBB1 Monoclonal antibody

Catalog Number:67077-1-Ig



Basic Information

Catalog Number: 67077-1-Ig	GenBank Accession Number: BC010854	Purification Method: Protein G purification
Size: 150ul , Concentration: 680 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 322	CloneNo.: 1B9G10
Source: Mouse	UNIPROT ID: O00213	Recommended Dilutions: WB 1:1000-1:3000 IHC 1:50-1:500 IF-P 1:200-1:800
Isotype: IgG1	Full Name: amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)	
Immunogen Catalog Number: AG27436	Calculated MW: 708 aa, 77 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

Human, Mouse, Rat, Pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : pig brain tissue, Pig brain, Rat brain, Mouse brain

IHC : mouse cerebellum tissue, mouse brain tissue

IF-P : mouse brain tissue,

Background Information

APBB1(Amyloid-beta A4 precursor protein-binding family B member 1) encoded FE65 protein. It was known as a binding partner of APP in the Alzheimer's disease studies, and expressed at high levels in brain especially in cerebellum, hippocampus, and cortex. FE65 and FE65-like (FE65L or FE65L1) proteins are cytoplasmic adaptor proteins that possess two phosphotyrosine binding domains (PTB1 and PTB2) and one WW binding domain (PMID:22429478). After phosphorylation modification, the band of FE65 protein would appear around 100 kDa. However, some tested a non-specific band at 55-60 kDa, it was refer to as FE65-like protein(PMID:12843239).

Storage

Storage:

Store at -20°C.

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

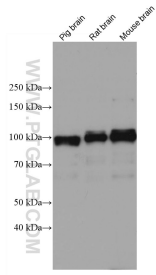
For technical support and original validation data for this product please contact:

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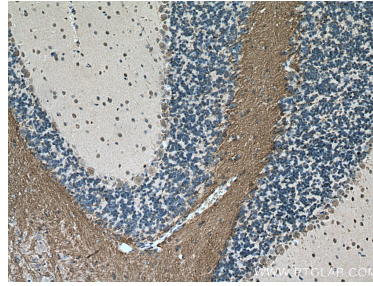
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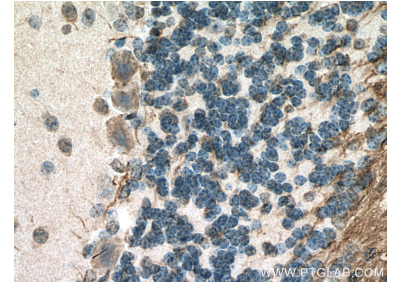
Selected Validation Data



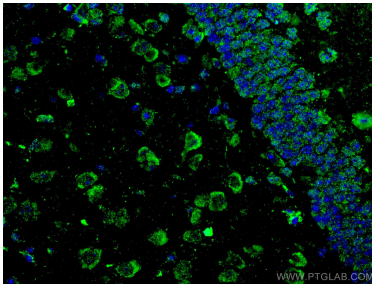
Various lysates were subjected to SDS PAGE followed by western blot with 67077-1-Ig (APBB1 antibody) at dilution of 1:1400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 67077-1-Ig (APBB1 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 mouse cerebellum tissue slide using 67077-1-Ig (APBB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using APBB1 antibody (67077-1-Ig, Clone: 1B9G10) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).