

For Research Use Only

# APBB1 Monoclonal antibody

Catalog Number: 67077-1-Ig



## Basic Information

<b>Catalog Number:</b> 67077-1-Ig	<b>GenBank Accession Number:</b> BC010854	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 680 µg/ml	<b>GeneID (NCBI):</b> 322	<b>CloneNo.:</b> 1B9G10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O00213	<b>Recommended Dilutions:</b> WB 1:1000-1:3000 IHC 1:50-1:500 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)	
<b>Immunogen Catalog Number:</b> AG27436	<b>Calculated MW:</b> 708 aa, 77 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

### Tested Applications:

IF-P, IHC, WB, 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: 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

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

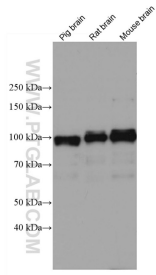
T: 4006900926

E: Proteintech-CN@ptglab.com

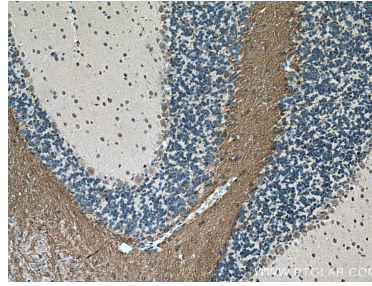
W: ptgcn.com

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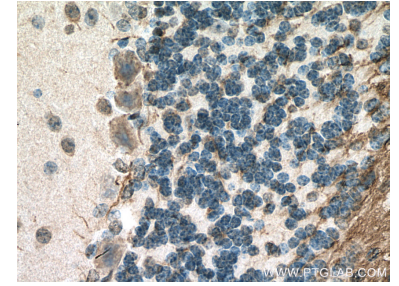
## Selected Validation Data



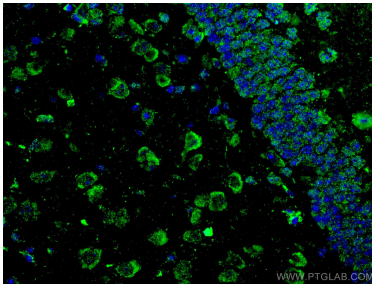
Various lysates were subjected to SDS PAGE followed by western blot with 67077-1-Ig (APBB1 antibody) at dilution of 1:1400 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Mouse IgG(H+L).