For Research Use Only

APBB1 Monoclonal antibody

Catalog Number:67077-1-Ig

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
67077-1-Ig

Size:
680 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG27436

GenBank Accession Number:
BC010854

GeneID (NCBI):
322

UNIPROT ID:
O00213

Full Name:
amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)

Calculated MW:
708 aa, 77 kDa

Observed MW:
100 kDa

Purification Method:
Protein G purification

CloneNo.:
1B9G10

Recommended Dilutions:
WB 1:1000-1:3000
IHC 1:50-1:500
IF-P 1:200-1:800

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-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

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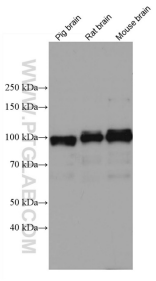
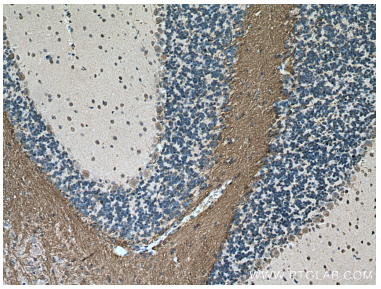
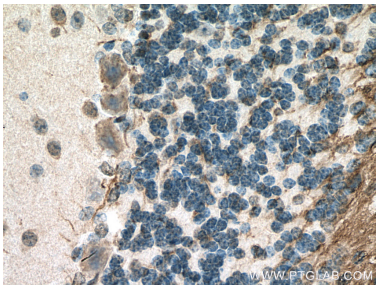
Selected Validation Data



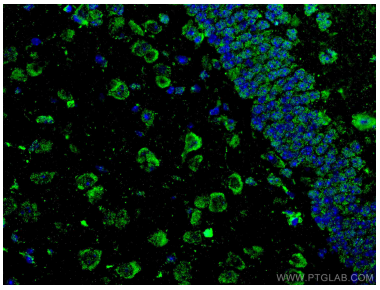
Various lysates were subjected to SDS PAGE followed by western blot with 67077-1-Ig (APBB1 antibody) at dilution of 1:1400 incubated at room temperature for 1.5 hours.



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).