

For Research Use Only

# APLP2 Recombinant antibody

Catalog Number: 84703-3-RR



## Basic Information

Catalog Number:

84703-3-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6842

GenBank Accession Number:

BC000373

GeneID (NCBI):

334

UNIPROT ID:

Q06481

Full Name:

amyloid beta (A4) precursor-like protein 2

Calculated MW:

87 kDa

Observed MW:

95-120 kDa

Purification Method:

Protein A purification

CloneNo.:

241655G7

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: rat brain tissue, mouse brain tissue, SH-SY5Y cells, HEK-293 cells

## Background Information

Amyloid precursor-like protein-2 (APLP2) is a member of the APP (amyloid precursor protein) family including APP, APLP1, and APLP2. APLP2 is ubiquitously expressed. It contains heparin-, copper- and zinc- binding domains at the N-terminus, BPTI/Kunitz inhibitor and E2 domains in the middle region, and transmembrane and intracellular domains at the C-terminus. APLP2 has been shown to regulate multiple cellular functions such as neurite outgrowth, axogenesis, corneal epithelial wound healing, cell adhesion, migration, and mitosis. The synergy of this protein and the APP is required to mediate neuromuscular transmission, spatial learning and synaptic plasticity. APLP2 has been implicated in the pathogenesis of Alzheimer's disease.

## 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:

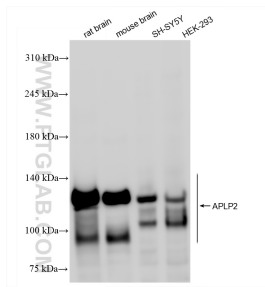
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

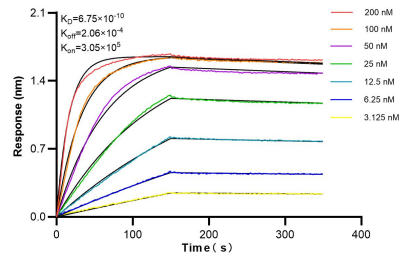
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84703-3-RR (APLP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84703-3-RR against Human APLP2 were performed. The affinity constant is 0.675 nM.