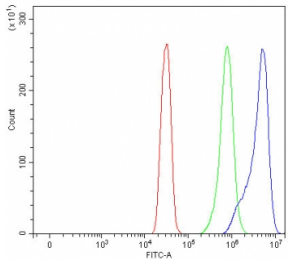
APLP1 Antibody / Amyloid beta precursor like protein 1 (RQ8086)

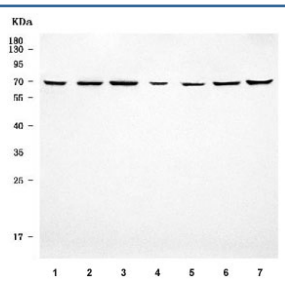
Catalog No.	Formulation	Size
RQ8086	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P51693
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This APLP1 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human SiHa cells with APLP1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= APLP1 antibody.



Western blot testing of 1) human SH-SY5Y, 2) human U-87 MG, 3) rat brain, 4) rat liver, 5) rat RH35, 6) mouse brain and 7) mouse Neuro-2a cell lysate with APLP1 antibody. Predicted molecular weight ~72 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Amyloid-precursor-like protein 1 (APLP1) is a membrane-associated glycoprotein, whose gene is homologous to the APP gene, which has been shown to be involved in the pathogenesis of Alzheimer's disease. APLP1 is predominantly expressed in brain, particularly in the cerebral cortex postsynaptic absorbance. The human gene has been mapped to chromosomal region 19q13.1. The gene is 11.8 kb long and contains 17 exons. APLP1 has been considered a candidate gene for CNF. All exon regions of the gene were amplified by the polymerase chain reaction and sequenced from DNA of CNF patients. No differences were observed between CNF patients and controls, suggesting that mutations in APLP1 are not involved in the etiology of CNF.

Application Notes

Optimal dilution of the APLP1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q55-Q566) was used as the immunogen for the APLP1 antibody.

Storage

After reconstitution, the APLP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.