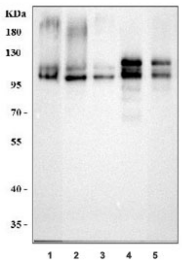
APLP2 Antibody (R30739)

Catalog No.	Formulation	Size
R30739	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
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q06481
Applications	Western Blot : 0.5-1ug/ml
Limitations	This APLP2 antibody is available for research use only.



Western blot testing of 1) human SH-SY5Y, 2) human HepG2, 3) human HeLa, 4) rat brain and 5) mouse brain tissue lysate with APLP2 antibody. Predicted molecular weight ~87 kDa, the glycosylated full length and truncated form can be observed at ~120 kDa and ~95 kDa, the CS-GAG modified form can be observed at 130-170 kDa and homodimers and heterodimers may be observed at over 200 kDa.

Description

Amyloid beta(A4) precursor-like protein 2, also known as CDEBP, is a protein that in humans is encoded by the APLP2 gene. The human amyloid precursor-like protein APLP2 is a highly conserved homolog of a sequence-specific DNA-binding mouse protein with an important function in the cell cycle. Along with APLP1, it is an important modulator of glucose and insulin homeostasis. APLP2 associates with antigen presentation molecules like MHC class I molecules and regulates their surface expression by enhancing endocytosis.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the APLP2 antibody may be required

due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human APLP2 (EEKVINSKNKVDENMVID) was used as the immunogen for this APLP2 antibody.

Storage

After reconstitution, the APLP2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.