Polyclonal Antibody against APPL2

Catalog Number: 11140 **Size: 100 µg** **Host: Rabbit**

Introduction to the Molecule
APPL2, also termed as adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2, has been shown to be involved in the regulation of cell proliferation, and in the crosstalk between the adiponectin signalling and insulin signalling pathways. The encoded protein binds many other proteins, including RAB5A, APPL1, adiponectin receptors, and proteins of the NuRD/MeCP1 complex.

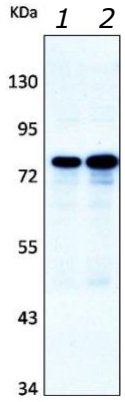
Purification
Antigen affinity-purified

Immunogen
Recombinant full-length human APPL2 expressed in *E.coli*.

Specificity
The antibody detects several types of APPL2 in different species such as human, monkey, mouse, rat etc. (about 85kDa).

Formulation & Storage
Liquid in phosphate-buffered saline (PBS). Store at –20°C for less than one week. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

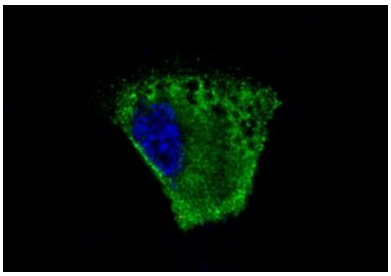
Application/Usage
Western blot - This antibody can be used at 0.1-0.2 µg/mL with the appropriate secondary reagents to detect APPL2.



Western blot analysis of APPL2 in 20ug HEK293 (Lane 1) and MDA-MB-231 (Lane 2) cell lysate using anti-APPL2 followed by goat anti-rabbit antibody.

ELISA - This antibody can be used at 1.0-2.0 µg/mL with the appropriate secondary reagents to detect APPL2.

Immunostaining - This antibody can be used at 2-3 µg/mL with the appropriate secondary reagents to detect APPL2.



Immunostaining of APPL2 in C_2C_{12} cells using anti-APPL2 followed by goat anti-rabbit antibody, visualized by confocal microscopy.

Quality Control Test

BCA to determine quantity of the antibody.