



PRODUCT DATA SHEET

Bioworld Technology, Inc.

C2CD2L polyclonal antibody

Catalog: BS35254

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Phospholipid transfer protein C2CD2L: Lipid-binding protein that transports phosphatidylinositol, the precursor of phosphatidylinositol 4,5-bisphosphate (PI(4,5)P₂), from its site of synthesis in the endoplasmic reticulum to the cell membrane. It thereby maintains the pool of cell membrane phosphoinositides, which are degraded during phospholipase C (PLC) signaling. Plays a key role in the coordination of Ca²⁺ and phosphoinositide signaling: localizes to sites of contact between the endoplasmic reticulum and the cell membrane, where it tethers the two bilayers. In response to elevation of cytosolic Ca²⁺, it is phosphorylated at its C-terminus and dissociates from the cell membrane, abolishing phosphatidylinositol transport to the cell membrane. Positively regulates insulin secretion in response to glucose: phosphatidylinositol transfer to the cell membrane allows replenishment of PI(4,5)P₂ pools and calcium channels.

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~76.2 kDa

Swiss-Prot:

O14523

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of C2CD2L protein

DATA:

Note:

For research use only, not for use in diagnostic procedure.

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