

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PITPNB Peptide

Cat No.: BS5858P

#### Background

The lipid binding proteins known as phosphatidylinositol transfer proteins (PITP) facilitate the formation of phosphatidylinositol derived second messenger molecules, which are related to the phospholipase C and phosphoinositide 3-kinase pathways. PITP are ubiquitously expressed proteins that transfer phosphatidylinositol (PI) and phosphatidylcholine (PC) between membranes enriched in PI or PC to membranes that are deficient in PI or PC. PITP mobilizes PI from the endoplasmic reticulum and regulates the release of PI from stored vesicles in the Golgi network. In mammalian cells, three smaller forms of soluble PITP are present, designated PITP $\alpha$ , PITP $\beta$  and retinal degeneration B (rdgB) beta. PITP $\beta$  is a 271 amino acid protein that is widely expressed in various tissues. Though required for Golgi targeting, constitutive phosphorylation of Ser-262 has no effect on phospholipid transfer activity. There are two isoforms of PITP $\beta$  that are produced as a result of alternative splicing events.

#### Swiss-Prot

P48739

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5858 PITPNB pAb.

#### Purification & Purity

Synthetic peptide PITPNB. (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

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

#### Research Use

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