

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PLC $\gamma$ 2 (R747) Peptide

Cat No.: BS1418P

#### Background

Phosphoinositide-specific phospholipase C (PLC) plays a crucial role in the initiation of receptor mediated signal transduction through the generation of the two second messengers, inositol 1,4,5-triphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. There are many mammalian PLC isozymes, including PLC  $\beta$ 1, PLC  $\beta$ 2, PLC  $\beta$ 3, PLC  $\beta$ 4, PLC $\gamma$ 1, PLC $\gamma$ 2, PLC  $\delta$ 1, PLC  $\delta$ 2 and PLC $\epsilon$ . PLC $\delta$  exists as four different isoforms. PLC  $\delta$ 1, a calcium signal amplifier, is activated by an atypical GTP-binding protein. In addition, PLC  $\delta$ 1 is an effector for GTP-binding protein transglutaminase II-mediated oxytocin receptor and  $\alpha$ 1B-adrenoreceptor signaling. Mouse PLC  $\delta$ 1 is highly expressed in brain, heart, lung and testis.

#### Swiss-Prot

P16885

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1418 PLC  $\gamma$ 2 (R747) pAb.

#### Purification & Purity

Synthetic peptide PLC  $\gamma$ 2 (R747). (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.