

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



PC-PLD1 (K556) Peptide

Cat No.: BS1686P

Background

Activation of phosphatidylcholine-specific phospholipase D (PC-PLD) catalyzes the hydrolysis of phosphatidylcholine (PC) to generate phosphatidic acid (PA). Insulin activates the PLD-dependent hydrolysis of PC in plasma membranes of adipocytes by a mechanism that may involve wortmannin-sensitive phosphatidylinositol 3-kinase. In addition to the transient activation by growth factors stimulation, PC-PLD is constitutively activated in some of the Src- and Ras-transformed cells. PC-PLD is one of the target enzymes of ischemia; its decrease may cause a perturbation of PC hydrolysis and/or disorders of intracellular signal transduction or choline metabolism for acetylcholine formation in the brain.

Swiss-Prot

Q13393

Applications

Blocking

Specificity

This peptide can be used with studies using BS1686 PC-PLD1 (K556) pAb.

Purification & Purity

Synthetic peptide PC-PLD1 (K556). (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.