

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



DGK- θ (S725) Peptide

Cat No.: BS2479P

Background

Diacylglycerol (DAG) is a fundamental lipid second messenger that is produced in the nucleus. The accumulation of DAG in the nucleus is important for the regulation of cell growth and differentiation. Diacylglycerol kinases (DGKs) convert DAG to phosphatidic acid, thereby terminating diacylglycerol signaling, which results in the reduction of protein kinase C activity and cell cycle progression of T lymphocytes. Diacylglycerol kinases are divided into five subtypes, Type I-Type V. DGK- θ is a Type V DGK, and localizes mainly to the nucleus of various cell lines, such as MDA-MB-453, MCF-7, PC12 and HeLa. Nuclear DGK- θ co-localizes with phosphatidylinositol 4,5-bisphosphate (PIP(2)). DGK- θ is the isoform responsive to α -Thrombin stimulation.

Swiss-Prot

P52824

Applications

Blocking

Specificity

This peptide can be used with studies using BS2479 DGK- θ (S725) pAb.

Purification & Purity

Synthetic peptide DGK- θ (S725). (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.