

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PKD1 (G459) Peptide

Cat No.: BS1581P

#### Background

Activation of PKC is one of the earliest events in a cascade leading to a variety of cellular responses such as secretion, gene expression, proliferation and muscle contraction. Protein kinase D (PKD), also called PKC $\mu$ , is a serine/threonine kinase whose activation is dependent on the phosphorylation of two activation loop sites, Ser744 and Ser748, via a PKC-dependent signaling pathway. In addition to the two activation loop sites, the carboxy-terminal Ser916 has been identified as an autophosphorylation site for PKD/PKC $\mu$ . Phosphorylation at Ser916 correlates with PKD/PKC $\mu$  catalytic activity.

#### Swiss-Prot

Q15139

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1581 PKD1 (G459) pAb.

#### Purification & Purity

Synthetic peptide PKD1 (G459). (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.