

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



PKN1 Peptide

Cat No.: BS5859P

Background

Protein kinase N (PKN) is a fatty acid-activated serine/threonine kinase whose catalytic domain exhibits homology with that of the PKC family. PKN associates with Rho via its amino terminus, is activated in a GTP-dependent manner and phosphorylates the head-rod domain of neurofilament protein. A second protein, rhotilin, exhibits 40% sequence identity with the amino terminal Rho binding domain. The enzymatic activity of rhotilin has not been demonstrated and it is possible that it acts through the recruitment of cytoskeletal components that initiate a kinase signaling cascade. Citron interacts specifically with active Rho and Rac1 but not Cdc42. Citron exhibits a distinctive protein organization and little homology with the Rho binding domains of PKN and rhotilin.

Swiss-Prot

Q16512

Applications

Blocking

Specificity

This peptide can be used with studies using BS5859 PKN1 pAb.

Purification & Purity

Synthetic peptide PKN1. (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.

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