

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### 14-3-3 $\theta$ (Q67) Peptide

Cat No.: BS2179P

#### Background

Protein interactions with 14-3-3 show distinct preferences for its different isoforms and are regulated by phosphorylation of both 14-3-3 and the bound protein. 14-3-3 tau/theta is primarily expressed in T-cells although it occurs at lower levels in the brain, heart, pancreas placenta and kidneys. It plays a role in cell cycle progression via interaction with p27(Kip1). Along with COPI, the theta isoform binds the GB1 RSR sequence involved in protein trafficking. The isoform forms a complex with Hsp60 and cellular prion protein which may be involved in prion diseases. Elevated levels of 14-3-3 tau/theta are observed in amyotrophic lateral sclerosis. 14-3-3 tau/theta also binds BCR/Abl, bacterial effector protein Tir, yes-associated protein and the FSH receptor.

#### Swiss-Prot

P27348

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2179 14-3-3  $\theta$  (Q67) pAb.

#### Purification & Purity

Synthetic peptide 14-3-3  $\theta$  (Q67). (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.