

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### AKAP 10 (R27) Peptide

Cat No.: BS1877P

#### Background

AKAP 10 (A kinase anchor protein 10), also known as PRKA10 or D-AKAP2 (dual-specific A kinase-anchoring protein 2), is a 662 amino acid mitochondrial membrane protein that belongs to the AKAP family. AKAP 10 is a dual specificity protein that binds to both type I and type II regulatory subunits of PKA and anchors them to the plasma membrane or the mitochondria. When anchored to the mitochondria, PKA can phosphorylate and, thus, inactivate the proapoptotic protein Bad. This suggests that AKAP 10 indirectly regulates Bad-induced apoptosis by mediating the mitochondrial attachment of PKA. Additionally, AKAP 10 may facilitate G-protein coupled signal transduction and could act as an adaptor in the assembly of multiprotein complexes.

#### Swiss-Prot

O43572

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1877 AKAP 10 (R27) pAb.

#### Purification & Purity

Synthetic peptide AKAP 10 (R27). (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.