

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### AR- $\alpha$ 1A (Q365) Peptide

Cat No.: BS2207P

#### Background

$\alpha$ 1A-adrenergic receptors ( $\alpha$ 1A-ARs) mediate actions in the sympathetic nervous system through the binding of the catecholamines, epinephrine and norepinephrine.  $\alpha$ 1A-AR couples to Gq/11 and regulates blood pressure due to changes in vascular tone and cardiac output. Alternative splicing of the ADRA1A gene generates four isoforms with distinct C-termini, and the different expression profile of these subtypes produces distinct patterns of activation.  $\alpha$ 1A-AR transcripts are abundant in heart, brain, liver and prostate.  $\alpha$ 1A-AR transcript sizes of 6.0, 4.0, 3.0, and 2.0 kb have been detected in liver. Transcripts of 6.0, 4.0 and 3.0 kb have been detected in heart, and transcripts of 6.0 and 4.0 kb have been detected in prostate

#### Swiss-Prot

P35348

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2207 AR- $\alpha$ 1A (Q365) pAb.

#### Purification & Purity

Synthetic peptide AR- $\alpha$ 1A (Q365). (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.