

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-Arrestin- $\beta$ -1 (S412) Peptide

Cat No.: BS4292P

#### Background

Beta Arrestin 1 is a member of a family of proteins that are widely expressed but especially abundant in the central nervous system. Serving as an adaptor or scaffold molecule, beta Arrestin 1 is essential for mitogenic signaling. Beta Arrestin 1 has important roles in the cytoplasm and at the plasma membrane in the desensitization and internalization of G protein coupled receptors (GPCRs) and is increasingly appreciated to play an important role in the endocytosis and signaling of GPCRs. Beta Arrestin 1 in the cytosol is phosphorylated by ERK1 and 2 on serine 412 in a negative feedback mechanism and binds to the phosphorylated receptors at the plasma membrane.

#### Swiss-Prot

P49407

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4292 p-Arrestin- $\beta$ -1 (S412) pAb.

#### Purification & Purity

Synthetic peptide p-Arrestin- $\beta$ -1 (S412). (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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