

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Actin- $\alpha/\gamma$ (Q49) Peptide

Cat No.: BS1500P

#### Background

Beta actin is one of six different actin isoforms which have been identified. Actins are highly conserved proteins that are involved in cell motility, structure and integrity. Be aware when using beta actin antibodies as loading controls that although beta actin is normally the best protein to use as a loading control, under some conditions its amounts can vary between samples. In particular, expression of actin in adipose tissue is very low (Spiegelman and Farmer, Cell, 1982, 29(1):53-60) "in cells undergoing adipose differentiation actin synthesis decreases by 90%".

#### Swiss-Prot

P68032/P63261/P63267/P68133

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1500 Actin- $\alpha/\gamma$  (Q49) pAb.

#### Purification & Purity

Synthetic peptide Actin- $\alpha/\gamma$  (Q49). (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.