

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Gα t2 (V34) Peptide

Cat No.: BS3874P

#### Background

In mammals, G protein  $\alpha$ ,  $\beta$  and  $\gamma$  polypeptides are encoded by at least 16, 4 and 7 genes, respectively. Most interest in G proteins has been focused on their  $\alpha$  subunits, since these proteins bind and hydrolyze GTP and most obviously regulate the activity of the best studied effectors. Four distinct classes of G $\alpha$  subunits have been identified; these include Gs, Gi, Gq and G $\alpha$  12/13. The Gi class comprises all the known  $\alpha$  subunits that are susceptible to pertussis toxin modifications, including G $\alpha$  i-1, G $\alpha$  i-2, G $\alpha$  i-3, G $\alpha$  o, G $\alpha$  t1, G $\alpha$  t2, G $\alpha$  z and G $\alpha$  gust. In the well characterized visual system, photorhodopsin catalyzes the exchange of guanine nucleotides bound to the visual transducin G $\alpha$  subunits (G $\alpha$  t1 in rod cells and G $\alpha$  t2 in cone cells).

#### Swiss-Prot

P19087

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3874 G $\alpha$  t2 (V34) pAb.

#### Purification & Purity

Synthetic peptide G $\alpha$  t2 (V34). (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.