Bioworld Technology CO., Ltd.

Gα t1 (M104) Peptide

Cat No.: BS3311P

Background

Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors. Each of a very broad range of receptors specifically detects an extracellular stimulus (a photon, pheromone, odorant, hormone or neurotransmitter) while the effectors (i.e. adenyl cyclase), which act to generate one or more intracellular messengers, are less numerous. In mammals, G protein α, β and γ polypeptides are encoded by at least 16, 4 and 7 genes, respectively. Most interest in G proteins has been focused on their α subunits, since these proteins bind and hydrolyze GTP and most obviously regulate the activity of the best studied effectors. Four distinct classes of Gα subunits have been identified; these include Gs, Gi, Gq and Gα 12/13. The Gi class comprises all the known α subunits that are susceptible to pertussis toxin modifications, including Gα i-1, Gα i-2, Gα i-3, Gα o, Gα t1, Gα t2, Gα z and Gα gust. In the well characterized visual system, photorhodopsin catalyzes the exchange of guanine nucleotides bound to the visual transducin Gα subunits (Gα t1 in rod cells and Gα t2 in cone cells).

Swiss-Prot

P11488

Applications

Blocking

Specificity

This peptide can be used with studies using BS3311 Gα t1 (M104) pAb.

Purification & Purity

Synthetic peptide Gα t1 (M104). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.
1660 South Highway 100, Suite 500 St. Louis Park,MN 55416,USA. **Email: info@bioworlde.com**
Tel: 6123263284 **Fax: 6122933841**

Bioworld technology, co, Ltd.
No 9, weidi road Qixia District Nanjing, 210046, P, R.China. **Email: info@biogot.com**
Tel: +86-025-68037686 **Fax:+86-025-68035151**