

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



AR- α 2A (R361) Peptide

Cat No.: BS2254P

Background

This study investigates the involvement of α 2-adrenergic receptors (AR) in mouse brain induced by a low dose of methamphetamine (METH, 2 mg/kg). Immunohistochemical studies show that α 2A-AR increased in the dentate gyrus area of the hippocampus 24 h after five repeated administrations of METH. The hippocampal α 2A-AR proteins rose 3.2-fold when compared to the saline-administered mice. The other adrenergic receptor, α 1D-AR, were not changed by the treatment. Moreover, α o-subunits of GTP-binding proteins ($G\alpha_o$), one of the downstream molecules of α 2A-AR, was also increased by the treatment. These suggest that the repeated administration of low-doses of METH causes quantitative changes of the signaling of α 2A-AR in the mouse hippocampus.

Swiss-Prot

P08913

Applications

Blocking

Specificity

This peptide can be used with studies using BS2254 AR- α 2A (R361) pAb.

Purification & Purity

Synthetic peptide AR- α 2A (R361). (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.