

AR- α 2A (R361) polyclonal antibody

Catalog: BS2254

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 48, 54 kDa

Swiss-Prot:

P08913

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC: 1:50~1:200

IF: 1:50~1:200

Storage&Stability:

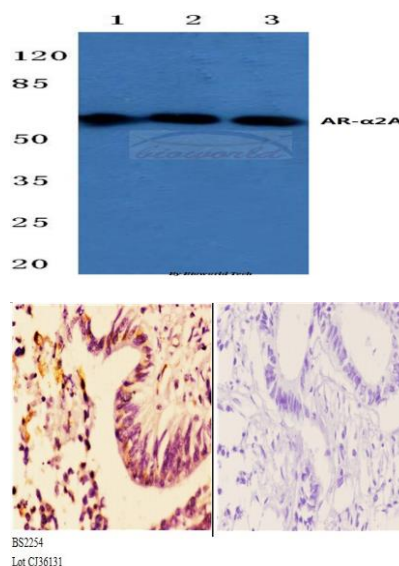
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

AR α 2A (R361) polyclonal antibody detects endogenous levels of AR α 2A protein.

DATA:



Immunohistochemistry (IHC) analyzes of AR- α 2A (R361) pAb in paraffin-embedded human rectum carcinoma tissue at 1:50, showing Nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

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