

GNAI1 polyclonal antibody

Catalog: BS60415

Host: Rabbit

Reactivity: Human, Mouse, Rat

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. adenylyl 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 $G\alpha$ subunits have been identified; these include Gs, Gi, Gq and $G\alpha$ 12/13. The Gi class comprises all the known α 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. Of these, the three $G\alpha$ i subtypes function to open atrial potassium channels.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 40 kDa

Swiss-Prot:

P63096

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:

WB: 1:500~1:1000

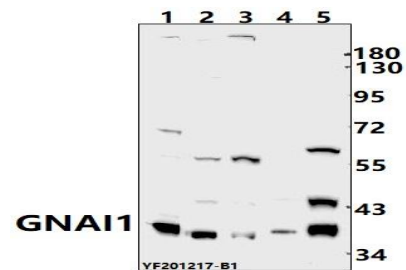
Storage&Stability:

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

Specificity:

GNAI1 polyclonal antibody detects endogenous levels of GNAI1 protein.

DATA:



Western blot (WB) analysis of GNAI1 pAb at 1:500 dilution

Lane1:C6 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:Myla205.9 whole cell lysate(40ug)

Lane4:The brain tissue lysate of Rat(20ug)

Lane5:The brain tissue lysate of Mouse(40ug)

Note:

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

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