

GABA(B)R1 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56524 (clone S93A-49)
Size: 100ug in PBS (1mg/ml), pH 7.4,
50% glycerol, 0.09% sodium azide.
Purified by Protein G affinity
chromatography.

BACKGROUND

GABA (γ -aminobutyric acid) is the primary inhibitory neurotransmitter in the central nervous system and interacts with three different receptors: GABA(A), GABA(B), and GABA(C). GABA(B) receptor is coupled to G proteins that modulate slow inhibitory synaptic transmission. Functional GABA(B) receptors form heterodimers of GABA(B)R1 and GABA(B)R2 in which GABA(B)R1 binds a ligand and GABA(B)R2 is the primary G protein contact site.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 873-977 (cytoplasmic C-terminus) of rat GABA(B)R1 (accession no. NP_112290.2).

Host Species: Mouse

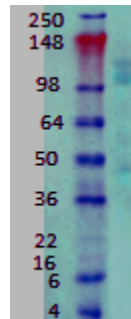
Antibody Class: IgG1

SPECIFICITY

This antibody recognizes human, mouse, and rat GABA(B)R1. It does not cross-react with GABA(B)R2.

APPLICATIONS

Immunoblotting: use at 1-2ug/ml. A band of ~115kDa is detected.



Immunoblot on rat brain membranes.

Immunocytochemistry: use at 1-5ug/ml. These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

Positive control: Rat brain membranes.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least 1 year at -20°C. Freeze in multiple aliquots to avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.