

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Anti-Beta 3 GABA-A Receptor Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56482 (clone S87-25)
Size: 100ug in PBS, pH 7.4; 50% glycerol, 0.09% sodium azide. Purified by Protein G affinity chromatography.

BACKGROUND

Ion channels are integral membrane proteins that help establish and control the small voltage gradient across the plasma membrane of living cells by allowing the flow of ions down their electrochemical gradient. In some ion channels, the flow of ions is governed by a gate which is controlled by chemical or electrical signals, temperature, or mechanical forces. The GABA-A receptor is a fast acting ligand-gated ion channel. GABA-A receptors are the major fast inhibitory neurotransmitter gated ion channels in the brain.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 370-433 of mouse Beta 3 GABA-A receptor (accession no. AAB60502).

Host Species: Mouse

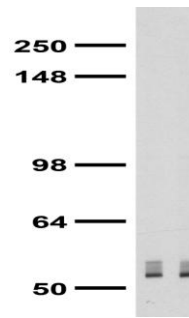
Antibody Class: IgG1

SPECIFICITY

This antibody recognizes human, mouse, and rat Beta 3 GABA-A receptor. It does not cross-react with Beta 1 or 2 GABA-A receptor.

APPLICATIONS

Immunoblotting: use at 1-10ug/ml. A band of ~55kDa is detected.



Adult rat brain membrane

Immunohistochemistry: use at 1-10ug/ml. These are recommended concentrations. User should determine optimal concentrations for their application.

Positive control: Rat brain lysate.

DILUTION INSTRUCTIONS

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

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freezing and thawing.

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