

GABAA Rβ1 (phospho-S434) polyclonal antibody

Catalog: BS4078

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

GAD-65 and GAD-67, glutamate decarboxylases, function to catalyze the production of GABA (gamma-aminobutyric acid). In the central nervous system GABA functions as the main inhibitory transmitter by increasing a Cl⁻ conductance that inhibits neuronal firing. GABA has been shown to activate both ionotropic (GABAA) and metabotropic (GABAB) receptors as well as a third class of receptors called GABAC. Both GABAA and GABAC are ligand-gated ion channels, however, they are structurally and functionally distinct. Members of the GABAA receptor family include GABAA Rα1-6, GABAA R β1-3, GABAA Rγ1-3, GABAA Rδ, GABAA Rε, GABAA Rp1 and GABAA Rp2. The GABAB family is composed of GABAB R1α and GABAB R1β. GABA transporters have also been identified and include GABA T-1, GABA T-2 and GABA T-3 (also designated GAT-1, -2, and -3). The GABA transporters function to terminate GABA action.

Product:

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

Molecular Weight:

~ 54 kDa

Swiss-Prot:

P18505

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

IHC: 1:50~1:200

Storage&Stability:

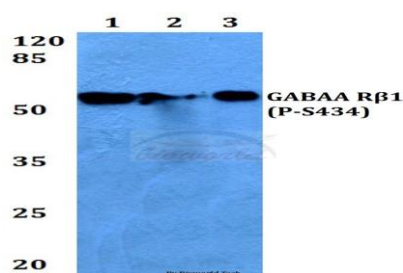
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

p-GABAA Rβ1 (S434) polyclonal antibody detects endogenous levels of GABAA Rβ1 protein when phosphorylated at Ser434.

DATA:

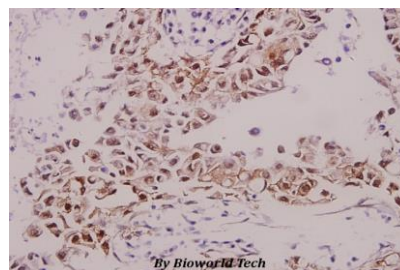


Western blot (WB) analysis of p-GABAA Rβ1 (S434) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:Rat brain tissue lysate



Immunohistochemistry (IHC) analyzes of p-GABAA Rβ1 (S434) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

Note:

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

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