

## GABAA R $\beta$ 2 (R431) polyclonal antibody

Catalog: BS2907

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<sup>-</sup> 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 R $\alpha$ 1-6, GABAA R  $\beta$ 1-3, GABAA R $\gamma$ 1-3, GABAA R $\delta$ , GABAA R $\epsilon$ , GABAA R $\rho$ 1 and GABAA R $\rho$ 2. The GABAB family is composed of GABAB R1 $\alpha$  and GABAB R1 $\beta$ . 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:

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

### Molecular Weight:

~ 59 kDa

### Swiss-Prot:

P47870

### 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

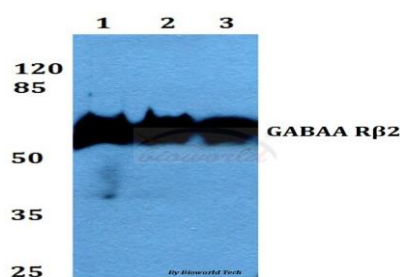
### Storage&Stability:

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

### Specificity:

GABAA R $\beta$ 2 (R431) polyclonal antibody detects endogenous levels of GABAA R $\beta$ 2 protein.

### DATA:

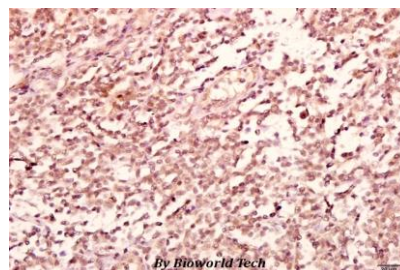


Western blot (WB) analysis of GABAA R $\beta$ 2 (R431) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate



Immunohistochemistry (IHC) analyzes of GABAA R $\beta$ 2 (R431) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50.

### Note:

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

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