

## GABRR1 polyclonal antibody

Catalog: BS60666

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, GABAAR  $\beta$ 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:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 56 kDa

### Swiss-Prot:

P24046

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

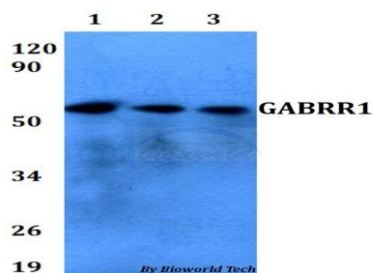
### Storage&Stability:

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

### Specificity:

GABRR1 polyclonal antibody detects endogenous levels of GABRR1 protein.

### DATA:



Western blot (WB) analysis of GABRR1 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate

### Note:

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

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