

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### GABAA R $\alpha$ 1 (L361) Peptide

Cat No.: BS3563P

#### 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.

#### Swiss-Prot

P14867

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS3563 GABAA R $\alpha$ 1 (L361) pAb.

#### Purification & Purity

Synthetic peptide GABAA R $\alpha$ 1 (L361). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

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

#### Research Use

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

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