

**Rabbit Anti-Nicotinic  $\alpha 7$  receptor Serum**

IP-5631

Lot # 10545

The antiserum was raised in a rabbit which was immunized with a peptide analogue of the carboxyl terminal of the nicotinic  $\alpha 7$  receptor (residues #493-502) covalently attached onto a carrier protein. This antiserum is specific for the COOH terminal of nicotinic  $\alpha 7$  receptor and is suitable for immunoprecipitation of the nicotinic  $\alpha 7$  receptor. The antiserum has been characterized by RIA, ELISA, western blot, and cell staining techniques. Dilute the lyophilized antiserum with 0.1 ml of 10 mg/ml BSA in PBS for the equivalent of whole antiserum, or with additional buffer for more dilute antiserum

**Antiserum Specificity**

<b>Polypeptide</b>	<b>% Cross Reactivity</b>
Nicotinic $\alpha 7$ receptor (493-502)	100
Nicotinic $\alpha 7$ receptor	~85
Nicotinic $\alpha 3$ receptor	0
Nicotinic $\alpha 4$ receptor	0
Nicotinic $\alpha 5$ receptor	0
Nicotinic $\beta 2$ receptor	0
Nicotinic $\beta 3$ receptor	0
Nicotinic $\beta 4$ receptor	0

**Immunoprecipitation**

This rabbit antisera will quantitatively immunoprecipitate the nicotinic  $\alpha 7$  receptor at dilutions ranging from 1:500 to 1:5000 depending upon the amount of the receptor in the sample and the procedure used. We have tested the antiserum using double antibody precipitation and magnetic bead techniques.