

**Rabbit Anti-Nicotinic  $\alpha$ 5 receptor Serum**

IP-5621

Lot # 10552

The antiserum was raised in a rabbit which was immunized with a peptide analogue of the carboxyl terminal of the nicotinic  $\alpha$ 5 receptor (residues #460-468) covalently attached onto a carrier protein. This antiserum is specific for the COOH terminal of nicotinic  $\alpha$ 5 receptor and is suitable for immunoprecipitation of the nicotinic  $\alpha$ 5 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 $\alpha$ 5 receptor (460-468)	100
Nicotinic $\alpha$ 5 receptor	~85
Nicotinic $\alpha$ 3 receptor	0
Nicotinic $\alpha$ 4 receptor	0
Nicotinic $\alpha$ 7 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  $\alpha$ 5 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.