

Rabbit Anti-Nicotinic α 4 receptor Serum

IP-5616

Lot # 10553

The antiserum was raised in a rabbit which was immunized with a peptide analogue of the carboxyl terminal of the nicotinic α 4 receptor (residues #620-627) covalently attached onto a carrier protein. This antiserum is specific for the COOH terminal of nicotinic α 4 receptor and is suitable for immunoprecipitation of the nicotinic α 4 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

Polypeptide	% Cross Reactivity
Nicotinic α 4 receptor (620-627)	100
Nicotinic α 4 receptor	~85
Nicotinic α 3 receptor	0
Nicotinic α 5 receptor	0
Nicotinic α 7 receptor	0
Nicotinic β 2 receptor	0
Nicotinic β 3 receptor	0
Nicotinic β 4 receptor	0

Immunoprecipitation

This rabbit antisera will quantitatively immunoprecipitate the nicotinic α 4 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.