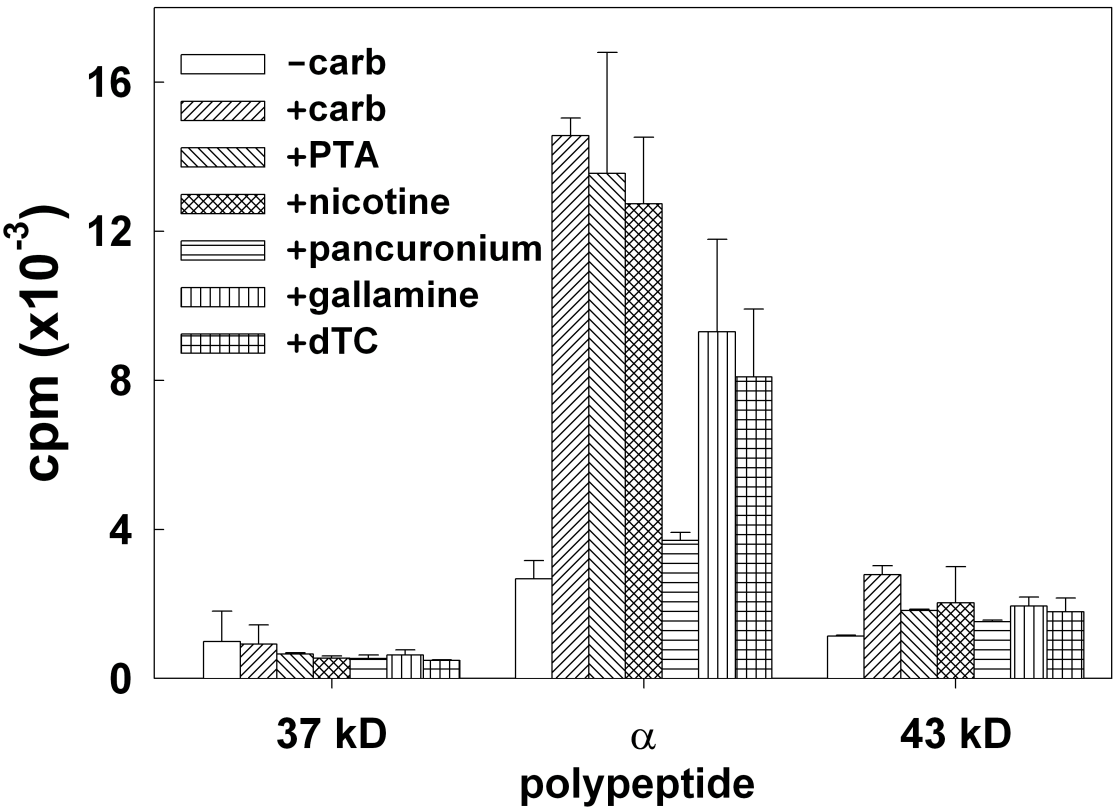
−carb
+carb
+PTA
+nicotine
+pancuronium
+gallamine
+dTC
cpm (x10-3)
16
12
8
4
0
37 kD
α
polypeptide
43 kD

Figure 3-4. Photoincorporation of [^{3}H]3-azioctanol into nAChR-rich membranes in the presence of various cholinergic agonists and competitive antagonists.

nAChR-rich membranes (100 μg at 2 mg/ml) were equilibrated with 1 μM [^{3}H]3-azioctanol in TPS in the absence of other drugs, or in the presence of 2 mM carbamylcholine (carb), 200 μM PTA, 100 μM nicotine, 100 μM pancuronium, 1 mM gallamine, or 30 μM d-tubocurare (dTC) and irradiated for 10 minutes at 365 nM. After photolysis, samples were subjected to SDS-PAGE and visualized by Coomassie Blue. Bands corresponding to α-subunit, as well as the 37 kD (calectrin) and 43 kD (rapsyn) bands were excised. ^{3}H incorporation was quantified by scintillation counting.