

Group of rats	Basal	Forskolin, 10^{-5} M	GppNHp, 10^{-5} M
Adenylyl cyclase activity, pmol cAMP/min/mg of membrane protein, $M \pm SEM$			
Young	26.1 ± 1.1	267.5 ± 3.9	159.2 ± 3.5
Aging	22.8 ± 1.2^b	254.2 ± 7.0^b	$133.4 \pm 6.9^{a, b}$
Diab	18.5 ± 0.9^a	197.9 ± 5.3^a	92.2 ± 6.1^a

Notes. ^a - the difference between the young rats and the aging or diabetic rats is significant at $p < 0.05$; ^b - the difference between the aging and diabetic rats is significant at $p < 0.05$. The data are presented as the $M \pm SEM$, $n=5$.