



Fig. 9. Expression of ACTH-mRNA in the pituitary gland of mice exposed to toluene prior to inhalation of formaldehyde over 3 months using RT-PCR (A) and the intensity relative to that of β -actin mRNA (B). The size of the amplification bands of ACTH was 117 bp. M, 100-bp ladder. Five pituitaries in each group were mixed and analyzed together.

Table 3. Body weight (g), absolute (mg) and relative weight (adrenal weight/body weight) of the adrenal gland, and volume of pituitary gland of NAG (OAV–) and AG (OVA+) mice.

Groups	Subgroups	BW (g)	AW (mg)	AW/BW (%)	VPG (x10⁶ μm³)
OVA– mice	Control	30.2±0.5	5.9±0.4	19.2±1.7	701.5 ± 5.4
	Toluene	32.0±0.4 ^{*#}	6.4±0.4	19.8±1.0	736.2 ± 2.2
OVA+ mice	Control	30.4±0.5	5.3±0.3	17.8±1.3	703.1 ± 1.7
	Toluene	30.3±0.4 [¶]	6.3±0.4	20.1±1.2	709.5 ±1.7

Data are expressed as mean ± SEM.

*p<0.05 vs. 0 (control) subgroup of NAG mice,

#p<0.05 vs. 0 (control) subgroup of AG mice,

¶p<0.05 vs. the corresponding subgroup of NAG mice,

BW: body weight,

AW: adrenal weight,

VPG: volume of anterior pituitary gland,

The number of mice in each subgroup is 10 except for VPG (n=5).