

**Table 1. Body weight (g), absolute (mg) and relative weight (adrenal weight/body weight) of the adrenal gland, and volume of pituitary gland of NAG (OVA−) and AG (OVA+) mice.**

<b>Group</b>	<b>Subgroup</b>	<b>BW (g)</b>	<b>AW (mg)</b>	<b>AW/BW (<math>\times 10^{-4}</math>)</b>	<b>VPG (<math>\times 10 \mu\text{m}^6</math>)</b>
<i>Non-allergy</i> (OVA−)	0	27.62±0.44	5.57±0.16	2.02±0.07	752.06±28.62
	80	28.97±0.59	5.28±0.47	1.83±0.16	782.42±21.48
	400	28.24±0.34	5.23±0.17	1.85±0.05	805.21±23.08
	2000	28.50±0.67	4.91±0.31	1.74±0.12	798.78±33.59
<i>Allergy</i> (OVA+)	0	28.46±0.45	5.83±0.27	2.05±0.09	830.25±32.19
	80	27.00±0.47 <sup>#</sup>	6.17±0.35	2.29±0.38 <sup>#</sup>	768.03±14.59
	400	28.78±0.25	5.68±0.18	1.98±0.23	856.82±39.11
	2000	29.02±0.33	5.68±0.39	1.96±0.14	819.07±29.45

Data are expressed as mean ± SEM,

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

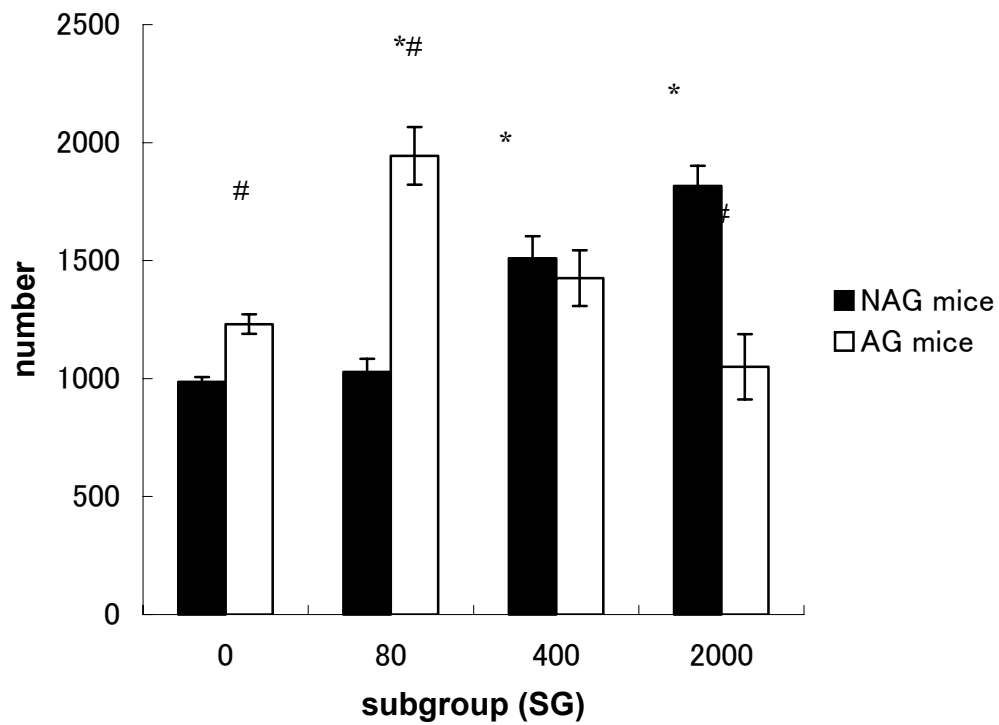
<sup>#</sup>p<0.05 vs. the corresponding subgroup of NAG mice,

BW: body weight,

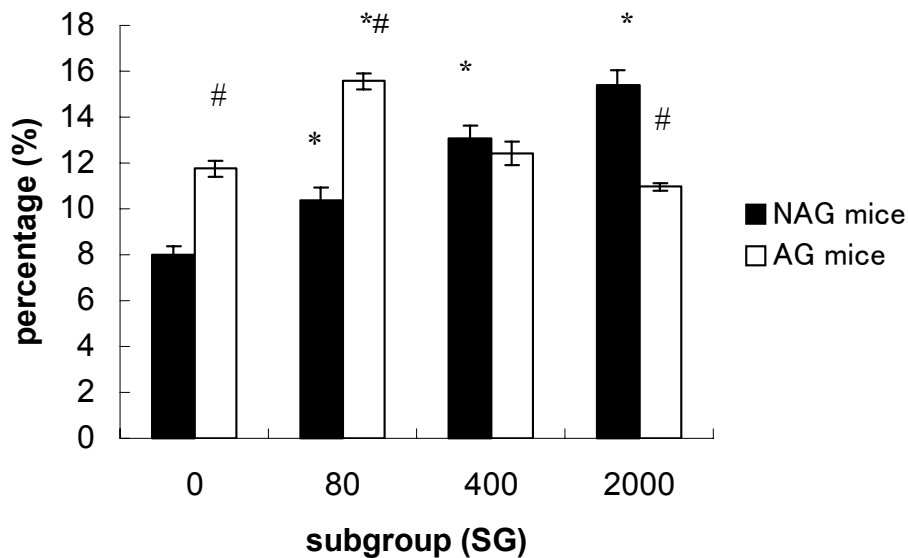
AW: adrenal weight,

VPG: volume of anterior pituitary gland.

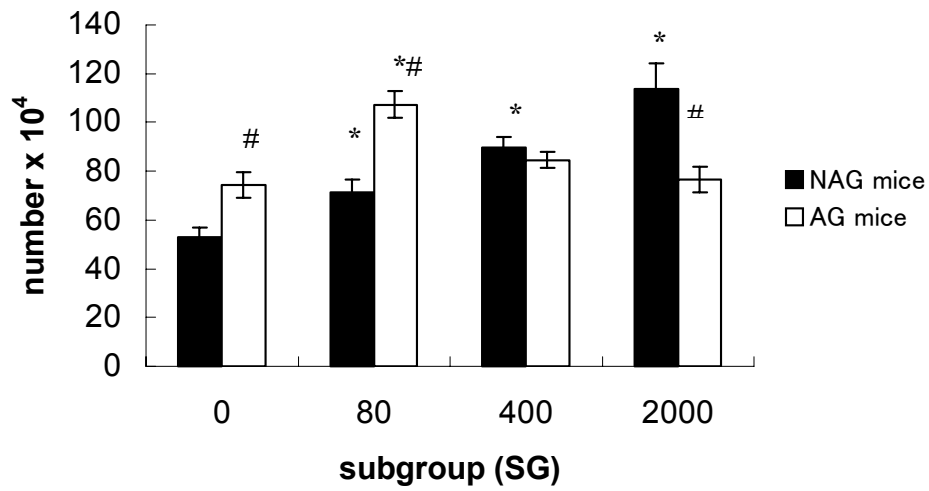
The number of mice in each subgroup except VPG (n=5) is 10.



**Fig. 1.** The number of CRH-ir neurons in the PVN of NAG (OVA<sup>-</sup>) (closed bar) and AG (OVA<sup>+</sup>) (open bar) mice. Values are expressed as means  $\pm$  SEM. \* $p < 0.05$  vs. the 0 subgroup (control) in each group, # $p < 0.05$  vs. the corresponding subgroup of NAG mice. The number of mice in each subgroup is 5.



**Fig. 2.** The percentage of ACTH-ir cells in the anterior pituitary gland of NAG (OVA<sup>-</sup>) (closed bar) and AG (OVA<sup>+</sup>) (open bar) mice. Values are expressed as means  $\pm$  SEM. \* $p < 0.05$  vs. the 0 subgroup (control) in each group, # $p < 0.05$  vs. the corresponding subgroup of NAG mice. The number of mice in each subgroup is 5.



**Fig. 3.** The numbers of ACTH-ir cells in the anterior pituitary gland of NAG (OVA<sup>-</sup>) (closed bar) and AG (OVA<sup>+</sup>) (open bar) mice. Values are expressed as means  $\pm$  SEM. \* $p < 0.05$  vs. the 0 subgroup (control) in each group, <sup>#</sup> $p < 0.05$  vs. the corresponding subgroup of NAG mice. The number of mice in each subgroup is 5.