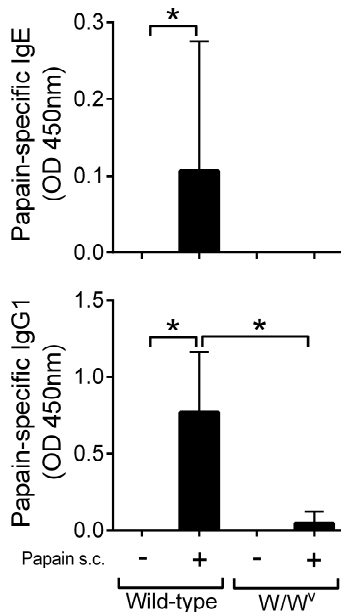
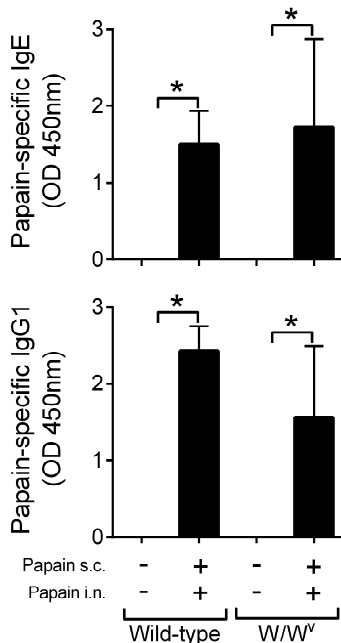


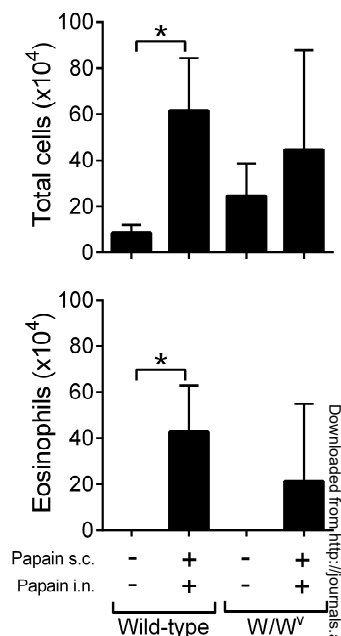
A



B



C



Supplementary Figure S1. Decreased susceptibility to allergic airway inflammation in subcutaneously presensitized mice upon subsequent intranasal papain challenges in mast cell-deficient mice.

Papain (10 $\mu\text{g}/10 \mu\text{l}$ PBS/ear) was s.c. administered to both ears of WBB6F1-*-/+* (“*Wild-type*”) or WBB6F1-*W/W^V* (“*W/W^V*”) mice on day 0. On days 14 and 21, the sensitized mice were challenged i.n. with papain (10 $\mu\text{g}/40 \mu\text{l}$ PBS). Naïve mice were used as the negative control. Serum samples and BAL fluids were collected 4 days after the last i.n. challenge. (A) Serum levels of papain-specific IgE and IgG1 before i.n. challenge (day 11). (B) Serum Ab levels and (C) airway inflammation after i.n. challenge (day 25). Serum samples were diluted 1/200 for papain-specific IgE, and 1/5000 for papain-specific IgG1. Data are indicated as mean \pm SD. * $p < 0.05$ by one-way ANOVA with the Tukey *post hoc* test. Data are representative of two independent experiments with similar results.