

SUPPLEMENTAL MATERIAL

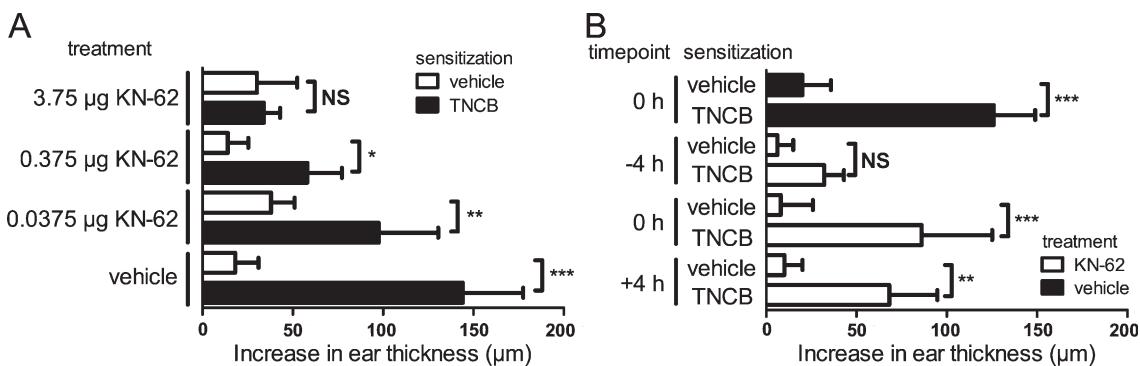
Weber et al., <http://www.jem.org/cgi/content/full/jem.20092489/DC1>

Figure S1. Dose titration and time kinetics for the P2X₇ antagonist KN-62. (A) Different concentrations of the P2X₇ receptor antagonist KN-62 were injected into the pinna of the left ear of WT mice 4 h before sensitization. Mice were sensitized with 3% TNCB in acetone on the left ear and were challenged 5 d later by application of 1% TNCB on the right ear. Data represent the mean increase in ear thickness of groups of five mice \pm SD. (B) WT mice were treated with 3.75 μg KN-62 at the indicated time points. The experiment was performed as in A with groups of five mice. Ear thickness was measured before challenge and 24 h after challenge. Experiments in A and B were performed once and as in Fig. 6 A (*, $P < 0.05$; **, $P < 0.005$; ***, $P < 0.001$).

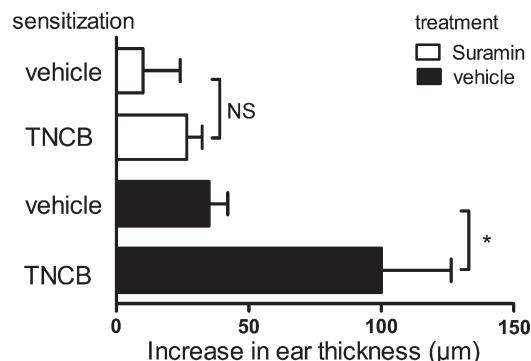


Figure S2. Purinergic receptor antagonism suppresses CHS responses in WT mice. WT mice were injected with the purinergic receptor antagonist suramin into the pinna of the left ear 4 h before sensitization. Mice were sensitized with 3% TNCB on the left ear and were challenged 5 d later by application of 1% TNCB on the right ear. Data represent the mean increase in ear thickness of groups of three mice \pm SD. One representative of two independent experiments is shown. The experiment was performed as in Fig. 6 A (*, $P < 0.05$).

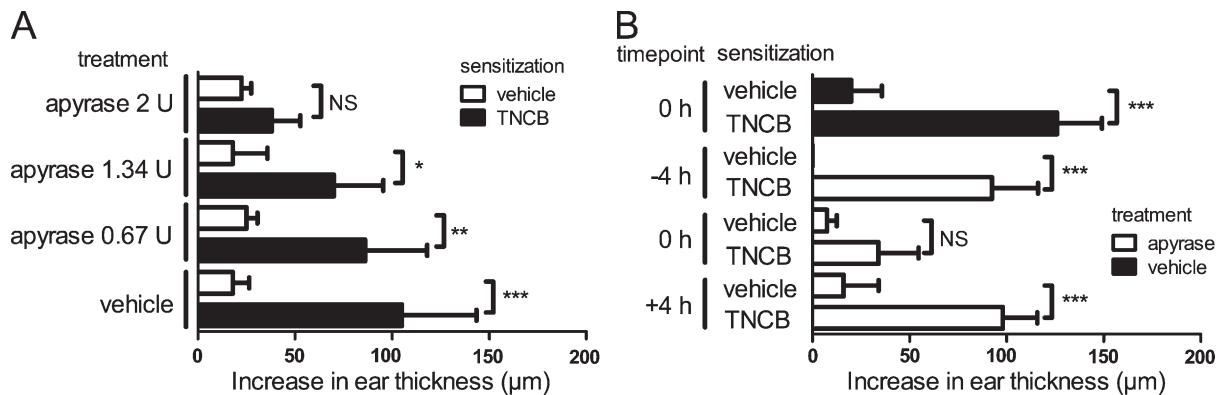


Figure S3. Dose titration and time kinetics for the ATP-degrading enzyme apyrase. (A) WT mice received different concentrations of apyrase in PBS or PBS as a vehicle control into the left ear pinna at the time of sensitization. Mice were sensitized with 3% TNCB or acetone as a vehicle control on the left ear for sensitization. Challenge was performed with 1% TNCB applied on the right ear 5 d later. The increase of ear thickness was determined 24 h after challenge. Data represent the mean increase in ear thickness \pm SD of groups of five mice. (B) WT mice were treated with 2 U apyrase per mouse. The experiment was performed as in A with groups of five mice. Ear thickness was measured before challenge and 24 h after challenge. Experiments in A and B were performed once and as in Fig. 6 B (*, P < 0.05; **, P < 0.005; ***, P < 0.001).