Phase contrast microscopy of Schwann cells and fibroblasts and DAAO expression analysis.

(a-i) Fibroblast cultures in basal DMEM medium (a, d, g) or Schwann cell culture medium (b, e, h) were compared with Schwann cell cultures (c, f, i) at days 3, 9 and 18. Fibroblasts in DMEM and Schwann cells actively divided whereas fibroblasts exhibited limited growth when cultured in Schwann cell culture medium. At day 18, Schwann cells and fibroblasts in DMEM approached over confluence whereas fibroblasts in Schwann cell culture medium had a low cell density. (j) RT-PCR and densitometry of DAAO as a ratio of alpha-actin (loading control). Genomic DNA was used as a positive control while reactions without reverse transcriptase are a negative control, indicating no genomic DNA contamination. (k) Western blotting plus densitometry of DAAO as a ratio of GAPDH (loading control). Kidney lysate was used as a positive control. Vertical gap in fig. k indicates a discontinuing lane, but on the same blotting membrane. Results shown are from one experiment, representing the consistent results from two (RT-PCR) and three (western blot) independent experiments. Scale bar, 100 µm. Abbreviation: F-DMEM or F-SCM, fibroblasts cultured in DMEM or Schwann cell culture medium, respectively; SC-SCM, Schwann cells cultured in Schwann cell culture medium. *, non-specific product.