

Supplementary Figure legends

Supplementary Figure S1. Mouse genotyping.

Shown in the figure is the genotype analysis of WT, *AMPK α 2^{-/-}*, [*GFAP-tTA;TRE-SmoA1;AMPK α 2^{-/-}*] and [*GFAP-tTA;TRE-SmoA1*] mice.

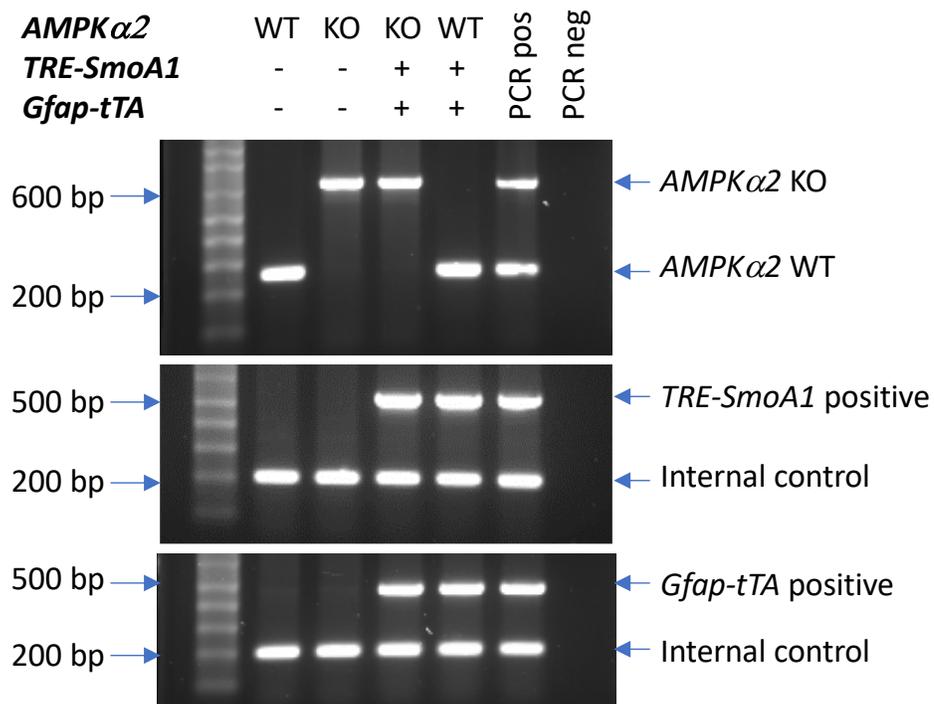
Supplementary Figure S2. Histopathological examination of a very large tumor in the [*GFAP-tTA;TRE-SMOA1*] mouse that survived beyond 200 days.

The histological analysis includes H&E staining as well as Ki67 (marker of proliferation) and NeuN (marker of neuronal differentiation) immunohistochemistry (magnification: 2X, 4X and 40X). Scale bars: 500 μ m (2X), 200 μ m (4X) or 25 μ m (40X).

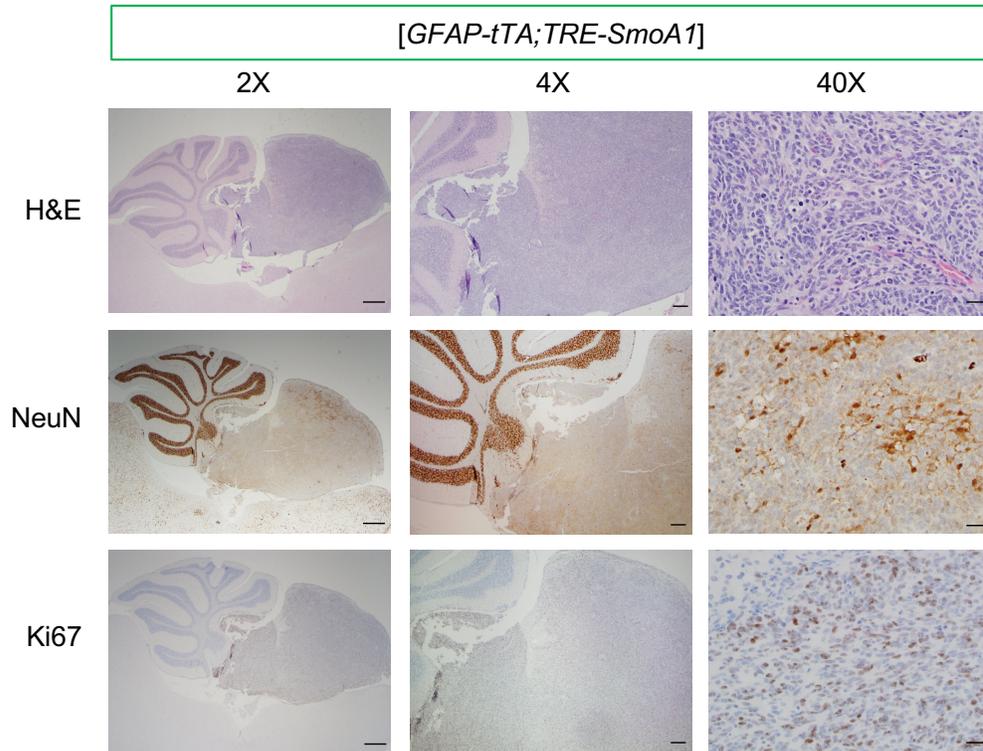
Supplementary Figure S3. Histopathological examination of non-proliferative, non-neoplastic microscopic remnants of granular cell neurons in a one-year-old [*GFAP-tTA;TRE-SMOA1;AMPK α 2^{-/-}*] mouse.

The histological analysis includes H&E staining as well as Ki67 (marker of proliferation) and NeuN (marker of neuronal differentiation) immunohistochemistry (magnification: 4X and 40X). The different cell layers of the cerebellum, i.e. the molecular (ML), Purkinje cell (PC) and internal granular cell (IGL) layers are labeled in the 40X H&E picture. One example of remnant is labeled with a red arrow in the 40X pictures. Scale bars: 200 μ m (4X) or 25 μ m (40X).

Supplementary Figure S1. (Zhang)



Supplementary Figure S2. (Zhang)



Supplementary Figure S3. (Zhang)

