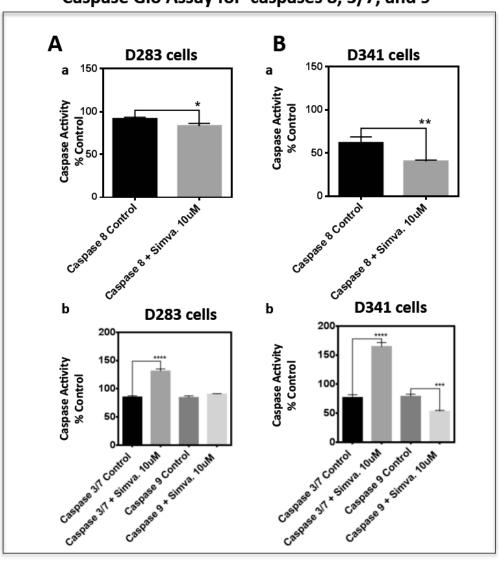
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## Supplementary Materials: Simvastatin Induces Apoptosis in Medulloblastoma Brain Tumor Cells via Mevalonate Cascade Prenylation Substrates

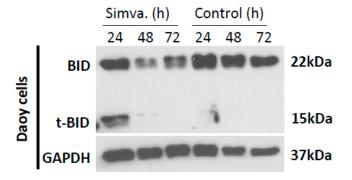
Kimia Sheikholeslami, Annan Ali Sher, Sandhini Lockman, Daniel Kroft, Meysam Ganjibakhsh, Kazem Nejati-Koshki, Shahla Shojaei, Saeid Ghavami, and Mojgan Rastegar

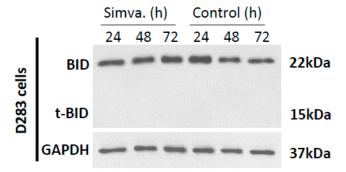
## Caspase Glo Assay for caspases 8, 3/7, and 9

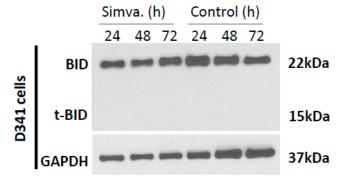


**Figure S1.** Caspase activities in D283 and D341 cells. Caspase activity was measured by the Caspase Glow Assay kit at 48 h, following instructions outlined in the kit manual, in D283 cells (**A**) and D341 cells (**B**). Caspase 8 activity is shown in Aa and Ba, and caspases 3/7 activities are shown in Ab and Bb. Statistical significance is reported by unpaired t-test for caspase 8 activity and one-way ANOVA for caspase 3/7 and 9 activity, using GraphPad Prism 7.0. The *p*-value is reported as \*\*\*\* p < 0.001, \*\*\* p < 0.001, or \* p < 0.005. Data are expressed as means ± SEM, and p = 10.

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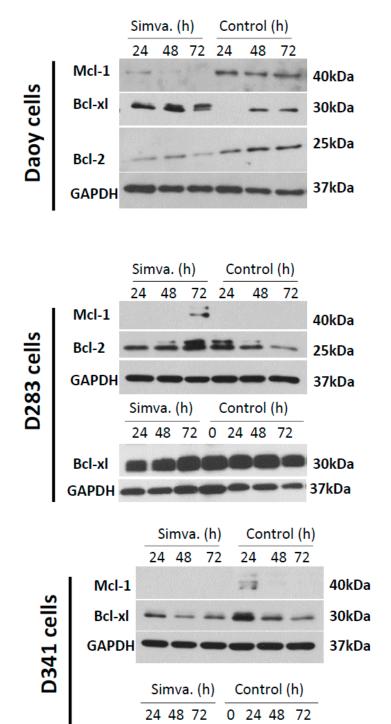






**Figure S2.** The continuous full length-image of Western blot signals shown in Figure 4C–E. For description of the samples, please refer to Figure legends (4C–E).

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**Figure S3.** The continuous full length-image of Western blot signals shown in Figure 7A–C. For description of the samples, please refer to Figure legends (7A–C). Please note that for some Western blots, an additional time-point 0 has been tested. The time 0 (0 h) refers to the collected cells at the starting time for simvastatin treatments.

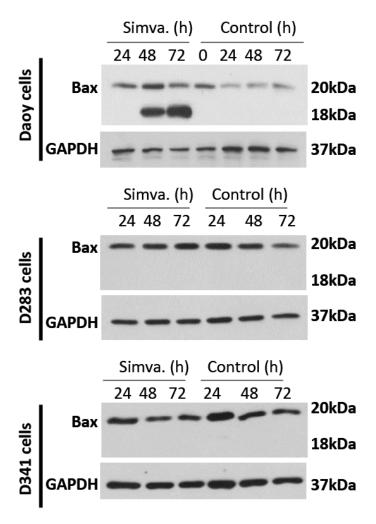
25kDa

37kDa

Bcl-2

**GAPDH** 

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**Figure S4.** The continuous full length-image of Western blot signals shown in Figure 8A–C. For description of the samples, please refer to Figure legends (8A–C). Please note that for some Western blots, an additional time-point 0 has been tested. The time 0 (0 h) refers to the collected cells at the starting time for simvastatin treatments.



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