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Supplementary Data

A Free Radical-Generating System Regulates AβPP Metabolism/Processing: Involvement of the Ubiquitin/Proteasome and Autophagy/Lysosome Pathways

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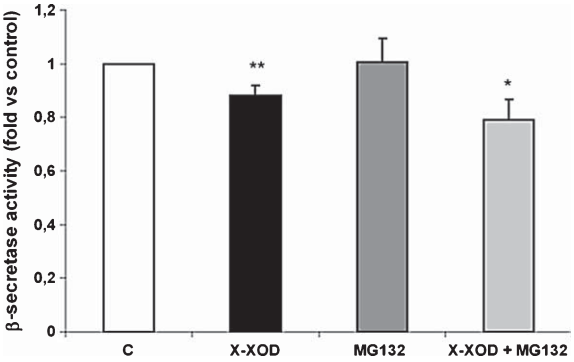
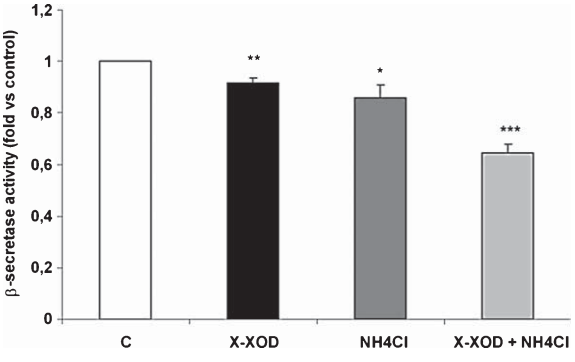


Supplementary Figure 1. β-secretase enzymatic activity in the presence of X-XOD and/or MG132. SK-N-MC cells were treated with 10 μM X/50 mU/ml XOD (X-XOD) for 24 h; 2 μM MG132 were added for the last 6 h. The β-secretase activity was measured using a fluorometric reaction kit. The graph shows the mean (±SEM) of fluorescence values, means are those for three independent experiments. Values of control were set at 1. $^{*}p<0.05$ and $^{**}p<0.01$ compared to control (Student *t*-test).



Supplementary Figure 2. β-secretase enzymatic activity in the presence of X-XOD and/or NH_4Cl. SK-N-MC cells were treated with 10 μM X/50 mU/ml XOD (X-XOD) or/and 20 mM NH_4Cl for 24 h. The β-secretase activity was measured using a fluorometric reaction kit. The graph shows the mean (±SEM) of fluorescence values, means are those for three independent experiments. Values of control were set at 1. $^{*}p<0.05$ and $^{**}p<0.01$, and $^{***}p<0.001$ compared to control (Student *t*-test).

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