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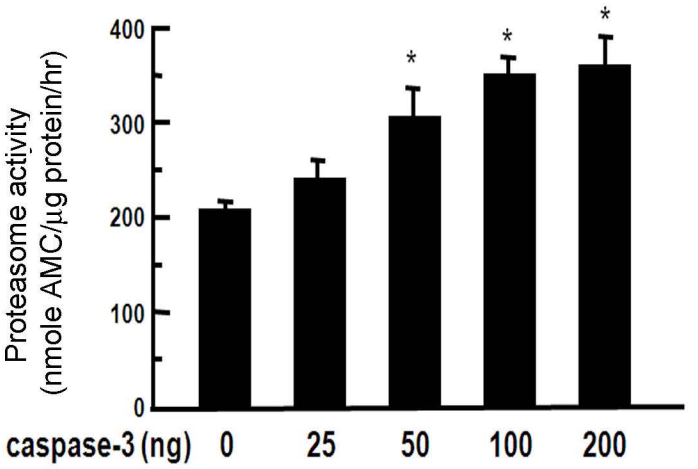

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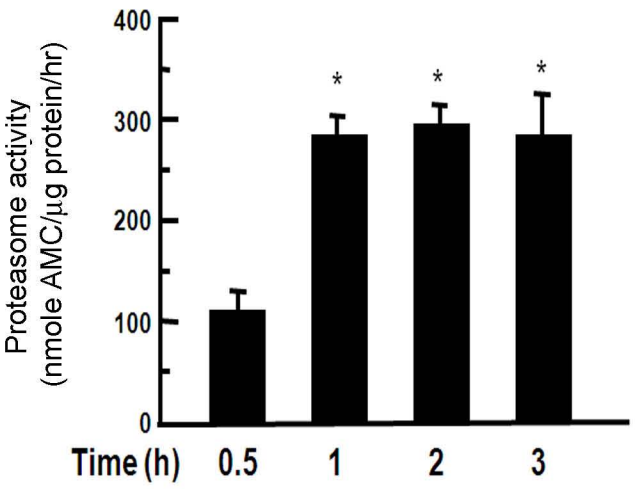
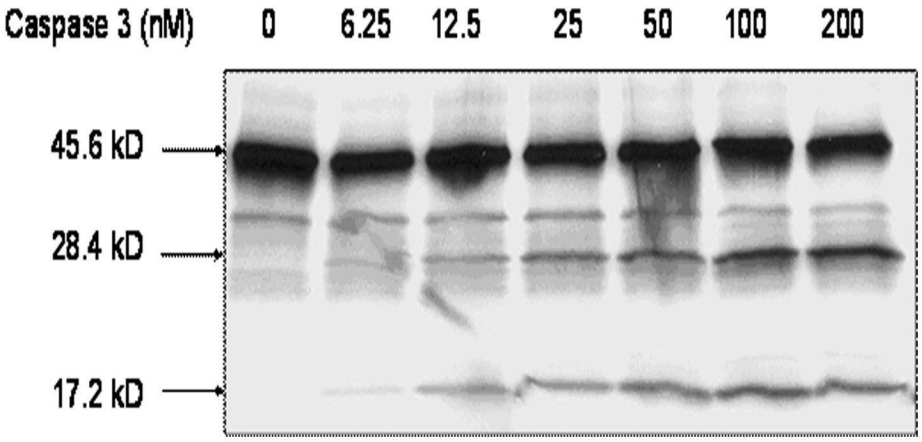


Suplemental Figure 1

A



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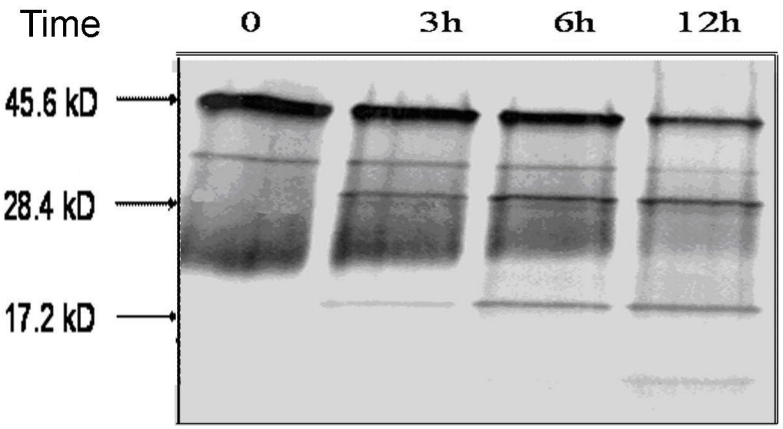
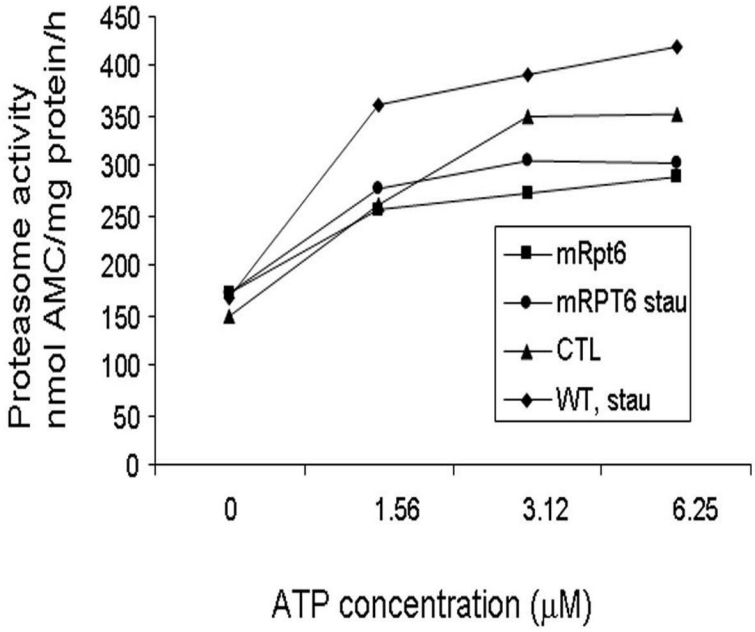
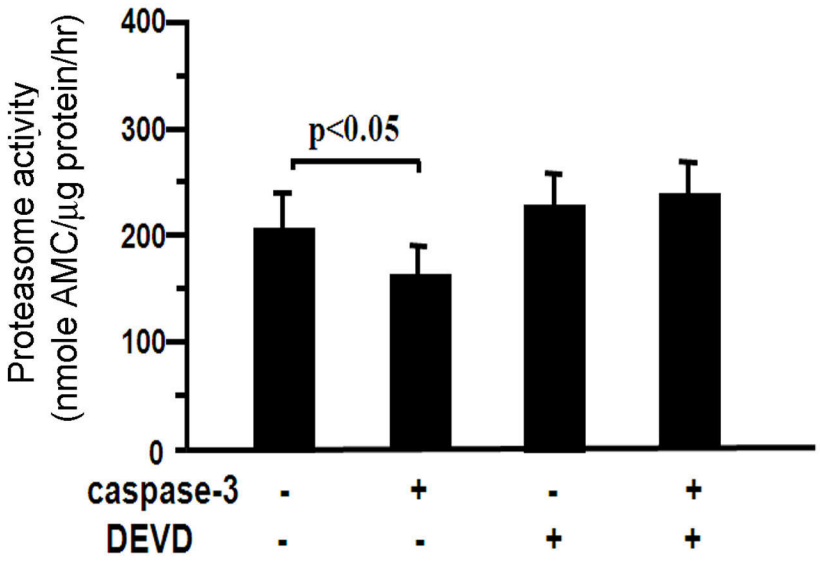


Supplemental Figure 2



Supplemental Figure 3



Supplemental Figure 4

Supplemental Figure legend:

Supplemental Figure 1: caspase-3 increases proteasome activity in myotubes in a dose- and time-dependent fashion. (A) Proteasomes isolated from C2C12 myotubes were incubated for 1h at 37°C with different concentrations of recombinant caspase-3 and proteasome activity was measured as described in Figure 1A. (B) Proteasomes isolated from C2C12 myotubes were incubated with 100 nM caspase-3 for the indicated times and proteasome activity was measured. Results are the mean ± S.E. (n = 4 for each concentration and time studied; *, $P<0.05$ *vs.* proteasomes not exposed to caspase-3).

Supplemental Figure 2: caspase-3 cleaves the proteasome subunit, Rpt 6, in a dose- and time-dependent fashion. (A) *In vitro* translated proteasome Rpt6 subunits were incubated for 1h at 37°C with different concentrations recombinant caspase-3; subunit cleavage was analyzed by autoradiography as described in Figure 3A. (B) *In vitro* translated Rpt6 was incubated with 100 nM caspase-3 for the indicated times; proteasome cleavage was assessed.

Supplemental Figure 3: ATP-dependence of changes in proteasome activity. Proteasomes isolated from wild-type myotubes or myotubes expressing mutant Rpt6 were used to measure proteasome activity during incubation with different concentrations of ATP.

Supplemental Figure 4: DEVD blocks caspase-3-induced activation of the proteasome. Proteasomes were isolated from myoblasts and incubated with 100 nM caspase-3 or caspase-3 plus its inhibitor, DEVD-CHO for 1h. Proteasome activity was measured as described in Figure 1A.