

Figure S2. The half-life of p54-CTH is STABILON-dependent.

Densitometric analysis of Western blot images (Figure 1C) shows that the *in vivo* half-life of the fruit fly CTH protein in mammalian cells is more than 5 h. In contrast, the STABILON-lacking CTH derivative (CTH-ΔStab) disappears after 4 h and its half-life is only 1 h under the same conditions.

Band intensities measured by Fiji		Hours after Cycloheximide-treatment	Band intensity percentages relative to 0h	
CTH	CTH-Δstab		CTH	CTH-ΔStab
19048,48	9115,73	0	100,00	100,00
21930,36	5176,05	1	115,13	56,78
19881,77	1842,94	2	104,37	20,22
17763,70	1116,21	3	93,26	12,24
15697,53	122,12	4	82,41	1,34
11249,75	-695,07	5	59,06	-7,62

