Supplementary online materials:

VAMP2 cleavage by Botulinum neurotoxin serotype B and Tetanus neurotoxin

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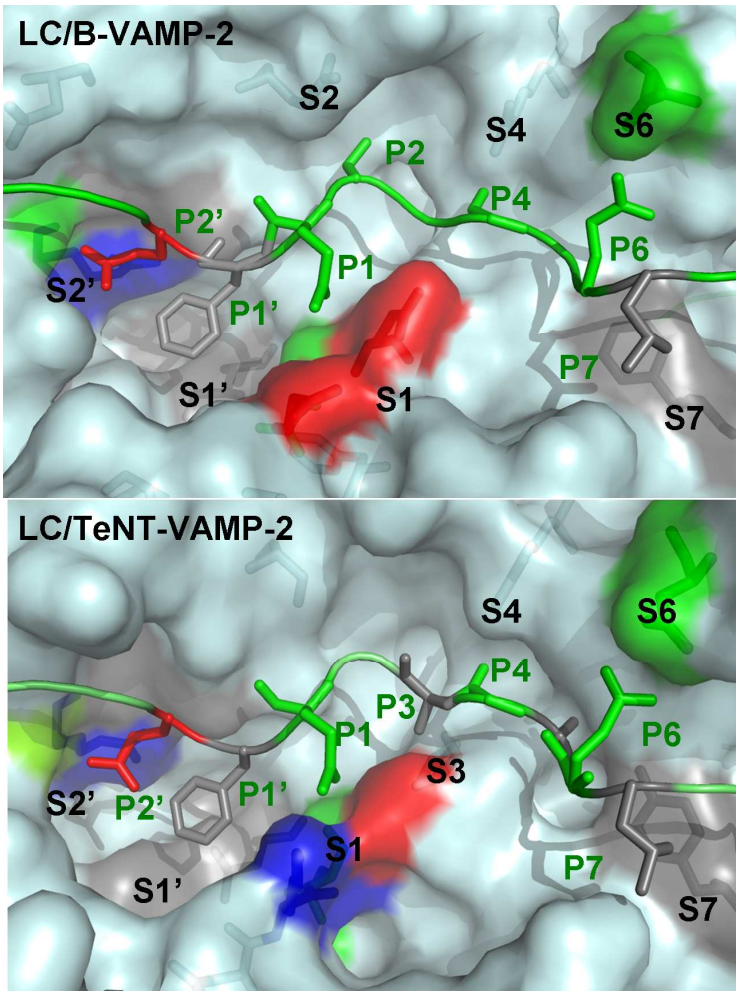
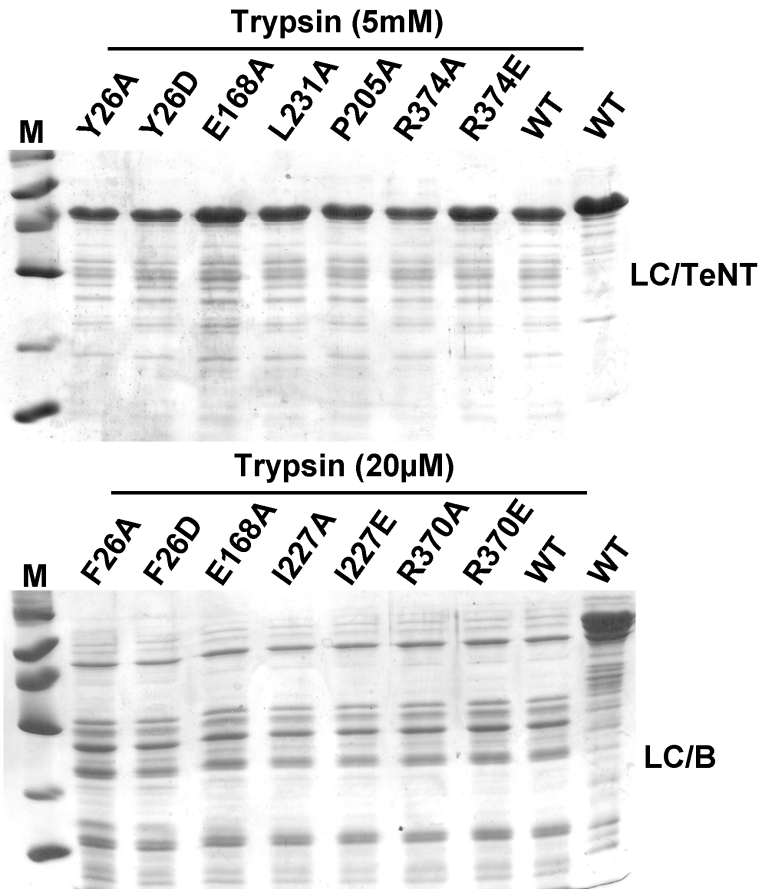
Supplementary figures:



Supplementary Fig 1. The recognition of VAMP2 P sites residues within the active sites regions of LC/B and LC/T. (Upper panel) LC/B-VAMP2 recognition at P2', P1', P1, P2, P4, P6 and P7 via the corresponding S pocket residues of LC/B. (Lower panel) LC/T-VAMP2 recognition at P2', P1', P1, P3, P4, P6 and P7 residues of VAMP2 via the corresponding S pocket residues of LC/T.



Supplementary Fig 2. Trypsin digestion profiles of LC/B, LC/T and their derivatives. Four μg of LC/B or LC/T and their indicated derivatives were incubated with indicated amount of trypsin for 10 min at 37°C. Proteins were resolved in 13.5% SDS- PAGE.

Supplementary method:

Trypsin digestion of LC/B, LC/T and their derivatives LC/B, LC/T or LC derivatives (4μg) were incubated with 20μM- (for LC/B and LC/B derivatives) or 5mM- (for LC/T and LC/T derivatives) trypsin in a 10μl reaction for 10 min at 37°C. The reactions were stopped and resolved in SDS-PAGE gels.