

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Gene expression of naïve and activated CD4⁺ T cells from WT and NAT10^{ckO} mice. CD4⁺ naïve T cells were isolated from WT and NAT10^{ckO} mice and subjected to RNA extraction directly or activated for 24 h in vitro and subjected to RNA extraction subsequently. Fragments per kilobase million (FPKM), transcript per million (TPM), and counts of genes were identified by RNA-sequencing.

File Name: Supplementary Data 2

Description: Proteins interacted with NAT10 in activated T cells identified by LC-MS. CD4⁺ naïve T cells were sorted and activated in vitro for 36 h, lysed with RIPA buffer and cell lysates were subjected to immunoprecipitation with anti-NAT10 antibody. Co-immunoprecipitated proteins were then identified by LC-MS.

File Name: Supplementary Data 3

Description: Acetyl-proteomics of naïve and activated T cells. Isolated CD4⁺ T cells were stimulated with anti-CD3 and anti-CD28 for 0, 5, 30min, and landscape of whole acetylated protein quantification was performed by acetyl-proteomics.