

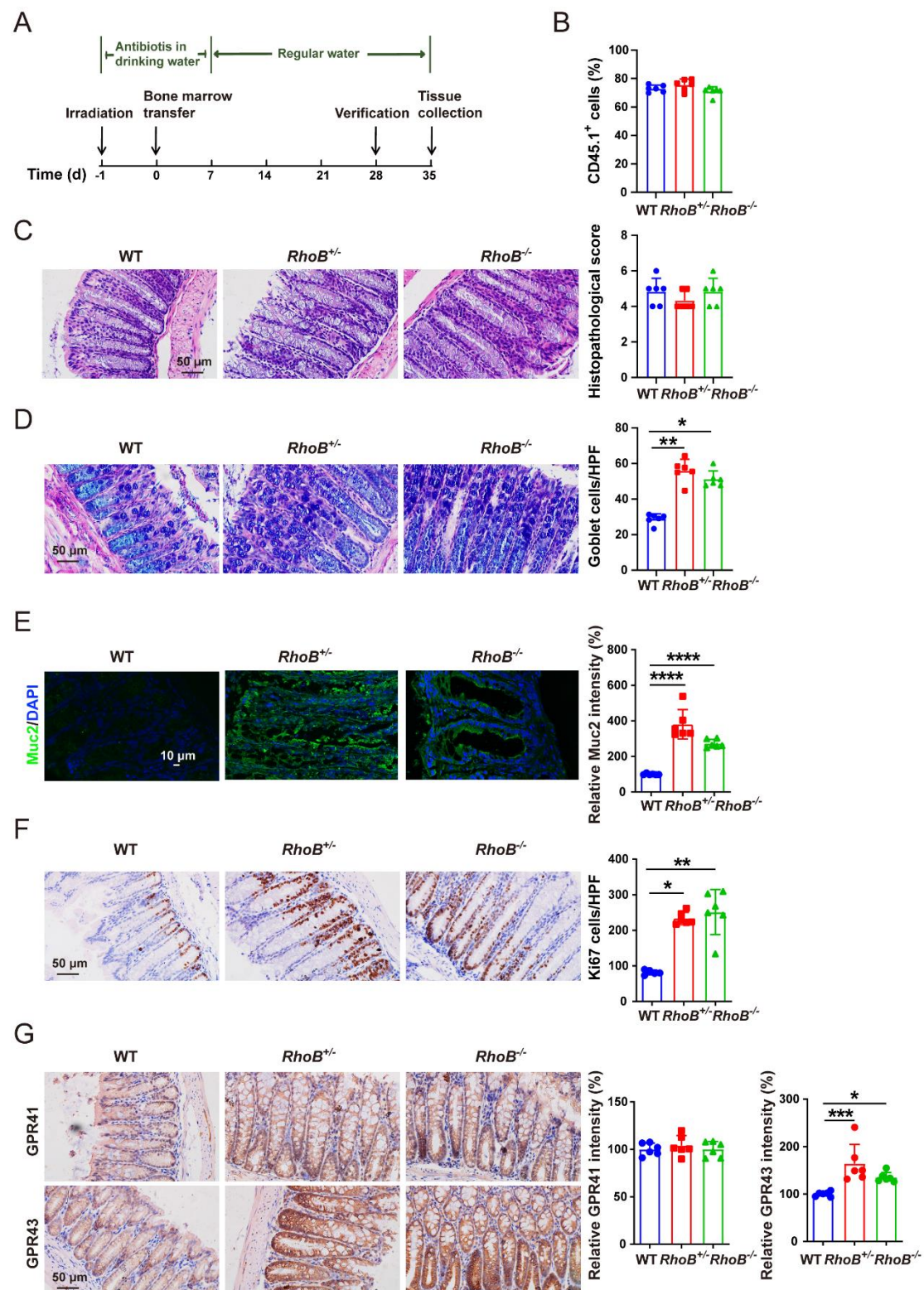


Figure S9. The effect of *RhoB* on intestinal phenotype depends on its expression in epithelia. CD45.1 WT bone marrow were transferred into irradiated CD45.2 WT, *RhoB*^{+/-} or *RhoB*^{-/-} mice respectively (n = 6 from 2 independent experiments) (A) Scheme of bone marrow transplantation protocol. (B) Flow cytometry analysis of CD45.1 expression in peripheral blood cells after bone marrow transplantation. The

percentage of CD45.1⁺ cells in lymphocyte cells from the indicated genotypes. **(C)** Representative H&E staining analysis of histopathological changes in colon of the indicated genotypes. **(D)** Representative AB-PAS staining and quantification in colon sections of the indicated genotypes. **(E)** Representative confocal images and quantitation of Muc2 staining (green) and DAPI (blue) in colonic tissues of the indicated genotypes. **(F)** Ki67 staining in colon sections of the indicated genotypes. **(G)** Representative GPR41 and GPR43 staining and quantitation in colon sections as indicated. Scale bar: 50 μ m or 10 μ m. Data are the mean $\pm$ SD. One-way ANOVA (B-G). * p < 0.05, ** p < 0.01, *** p < 0.001, **** p < 0.0001.