

Online resources, supplementary material to the article:

Cellular localization and regulation of receptors and enzymes of the endocannabinoid system in intestinal and systemic inflammation

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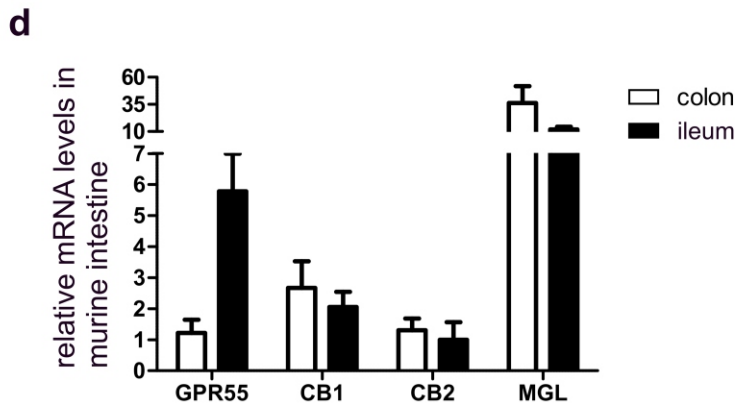
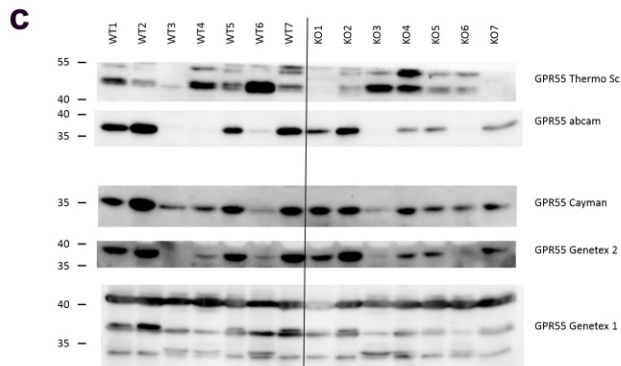
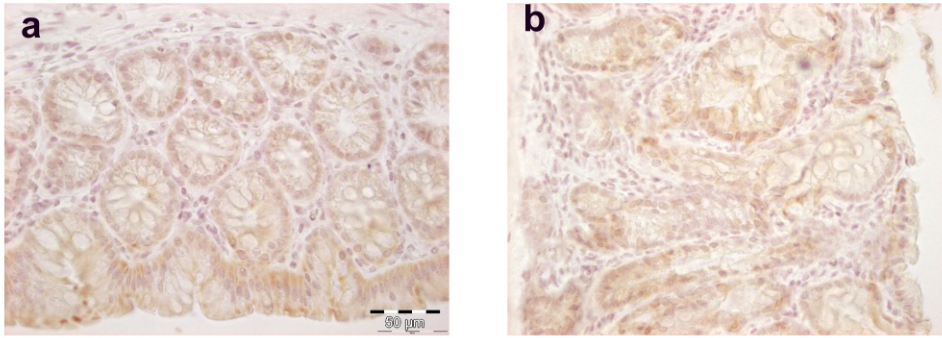
Online resource **Fig. 1:**

Representative immunohistochemical staining of GPR55 using polyclonal rabbit anti-GPR55 antibody (1:500, Cayman Chemicals, Ann Arbor, MI, USA) in murine wildtype (**a**) and GPR55^{-/-} (**b**) colon tissue; note unspecific staining in the GPR55^{-/-} tissue. (**c**) Testing of several anti-GPR55 antibodies in colon tissue of wildtype (WT1-WT7) and GPR55^{-/-} (knockout, KO1-KO7) mice by SDS-Page/ Western blot analysis (used antibodies: Thermo Sc: rabbit anti-GPR55 antibody, ThermoFisher Scientific, Waltham, MA, USA; Abcam: polyclonal rabbit anti-GPR55 antibody, Abcam, Cambridge, UK; Cayman: polyclonal rabbit anti-GPR55 Ab, Cayman Chemicals; Genetex 1 and 2: polyclonal rabbit anti-GPR55 antibody, GeneTex International Corporation, Irvine, CA, USA). (**d**) Comparison of *CB₁*, *CB₂*, *GPR55* and *MGL* gene expression in murine colon and ileum by qRT-PCR.

Online resource **Fig. 2:**

ISH RNAscope® staining of *CB₁* (**a, b**), *CB₂* (**c, d**), *MGL* (**e, f**) and *GPR55* (**g, h**) in wildtype (**a, c, e, g**) and corresponding knockout mice (**b, d, f, h**). Inserts show higher magnification of relevant region with high expression of the target gene in wildtype tissue. Calibration bar low magnification: 20 μm, Insert: 10 μm.

Online resource Fig. 1



Online resource Fig. 2

