

ORIGINAL ARTICLE

Comparative transcriptomic analysis of macrophages treated with a combination of ROCK pathway inhibitors

Supplementary File

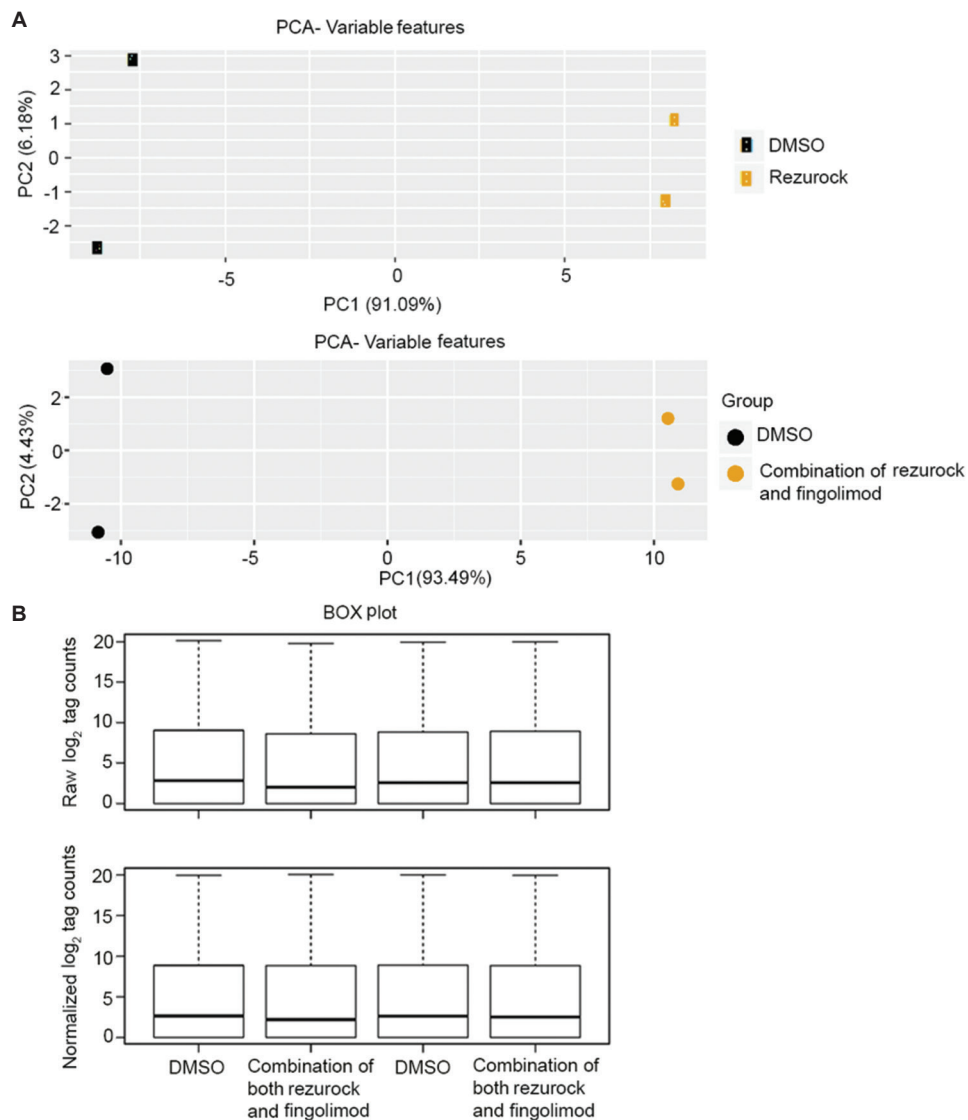


Figure S1. Principal component analysis (PCA) of RNA samples and gene expression distribution. (A) PCA plot of RNA samples from dimethyl sulfoxide (DMSO; Control), and combined Rezurock and fingolimod treatment in mouse macrophages. (B) Box plot showing gene expression in DMSO (Control) and combined Rezurock and fingolimod treatment in mouse macrophages.

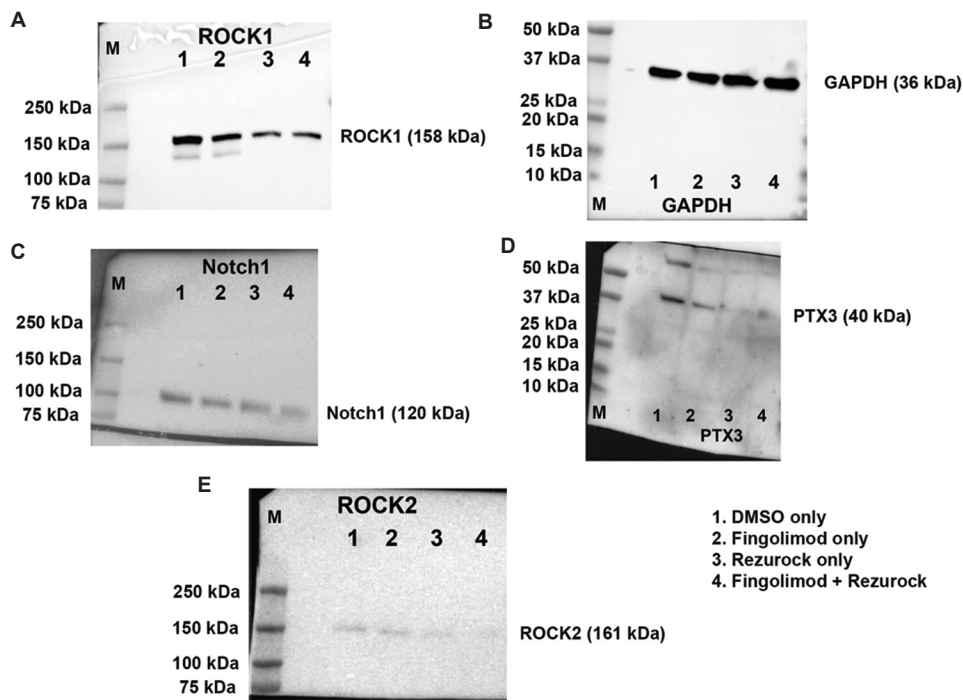


Figure S2. Original western blot images for ROCK1, GAPDH, Notch1, PTX3, and ROCK2 corresponding to Figure 6A. Western blot for (A) ROCK1 (158 kDa), (B) GAPDH (36 kDa), (C) Notch1 (120 kDa), (D) PTX3 (40 kDa), and (E) ROCK2 (161 kDa).

Notes: 1 = DMSO only; 2 = Fingolimod only; 3 = Rezureck only; 4 = Fingolimod + Rezureck.

Abbreviations: DMSO: Dimethyl sulfoxide; GAPDH: Glyceraldehyde 3-phosphate dehydrogenase; PTX3: Pentraxin 3; ROCK: Rho-associated coiled-coil kinase.

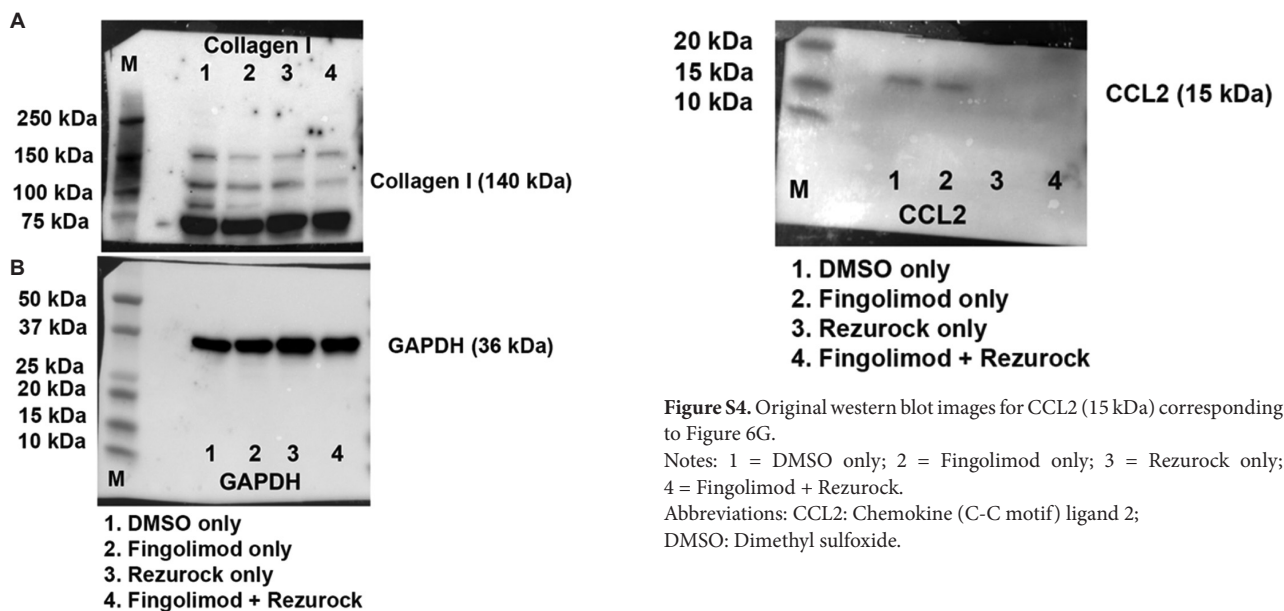


Figure S3. Original western blot images for collagen I and GAPDH corresponding to Figure 6F. Western blot for (A) collagen I (140 kDa) and (B) GAPDH (36 kDa).

Notes: 1 = DMSO only; 2 = Fingolimod only; 3 = Rezureck only; 4 = Fingolimod + Rezureck.

Abbreviations: DMSO: Dimethyl sulfoxide; GAPDH: Glyceraldehyde 3-phosphate dehydrogenase.

Figure S4. Original western blot images for CCL2 (15 kDa) corresponding to Figure 6G.

Notes: 1 = DMSO only; 2 = Fingolimod only; 3 = Rezureck only; 4 = Fingolimod + Rezureck.

Abbreviations: CCL2: Chemokine (C-C motif) ligand 2; DMSO: Dimethyl sulfoxide.

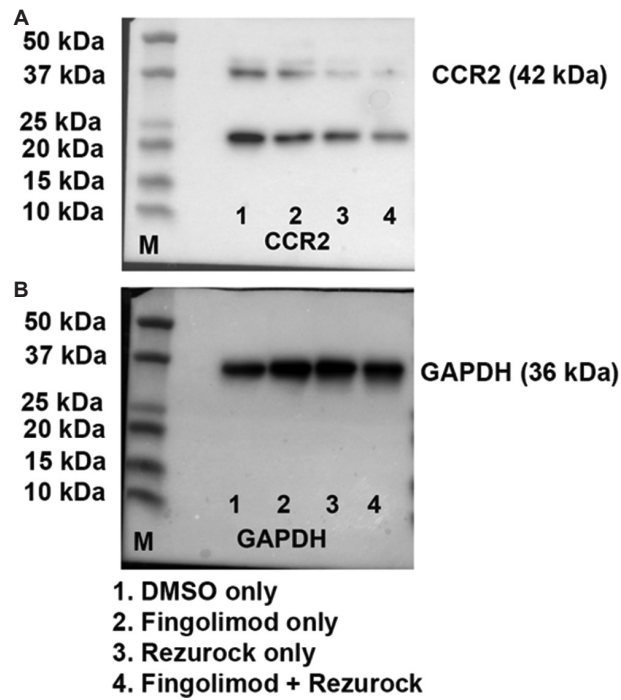


Figure S5. Original western blot images for CCR2 and GAPDH corresponding to Figure 6H. Western blot for (A) CCR2 (42 kDa) and (B) for GAPDH (36 kDa).

Notes: 1 = DMSO only; 2 = Fingolimod only; 3 = Rezerock only; 4 = Fingolimod + Rezerock.

Abbreviations: CCR2: C-C motif chemokine receptor 2; DMSO: Dimethyl sulfoxide; GAPDH: Glyceraldehyde 3-phosphate dehydrogenase.

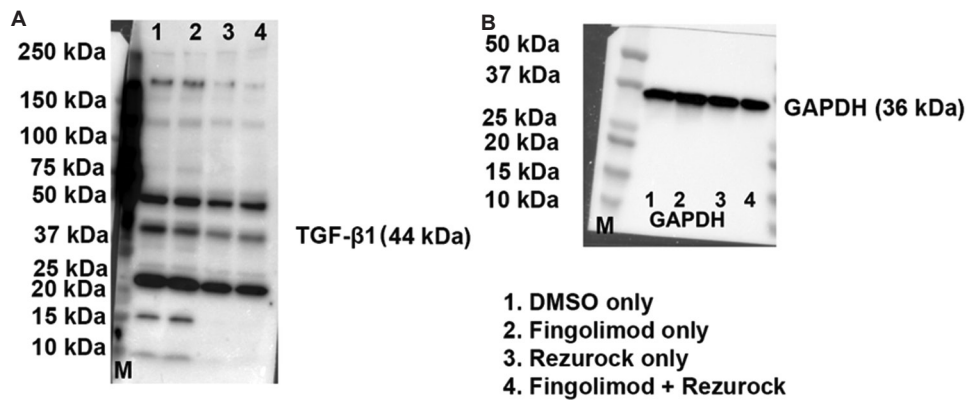


Figure S6. Original western blot images for TGF-1 β and GAPDH corresponding to Figure 6L. Western blotting for (A) TGF-1 β (44 kDa) and (B) GAPDH (36 kDa).

Notes: 1 = DMSO only; 2 = Fingolimod only; 3 = Rezerock only; 4 = Fingolimod + Rezerock.

Abbreviations: DMSO: Dimethyl sulfoxide; GAPDH: Glyceraldehyde 3-phosphate dehydrogenase; TGF- β 1: Transforming growth factor beta 1.

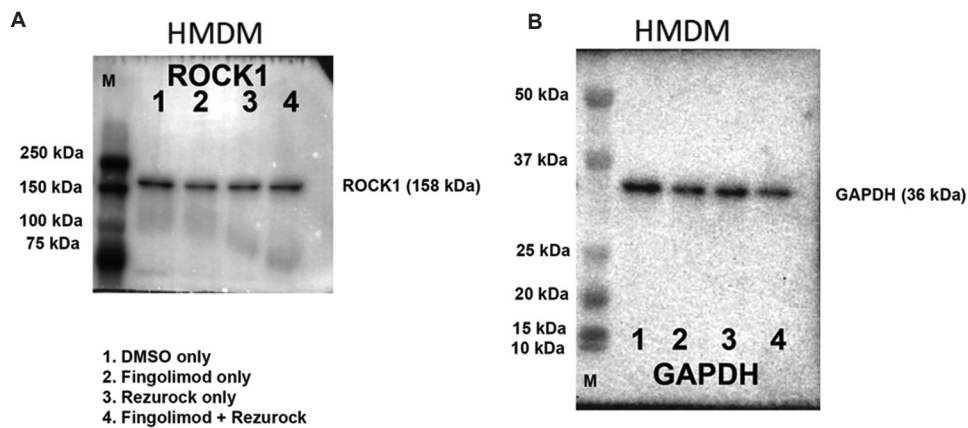


Figure S7. Original western blot images for ROCK1 and GAPDH corresponding to Figure 7A. Western blot for (A) ROCK1 (158 kDa) and (B) GAPDH (36 kDa).

Notes: 1 = DMSO only; 2 = Fingolimod only; 3 = Rezerock only; 4 = Fingolimod + Rezerock.

Abbreviations: DMSO: Dimethyl sulfoxide; GAPDH: Glyceraldehyde 3-phosphate dehydrogenase; HMDM: Human monocyte-derived macrophages; ROCK1: Rho-associated coiled-coil kinase 1.

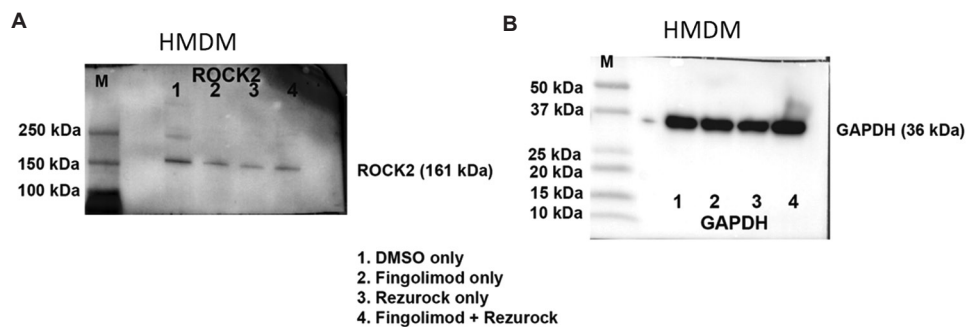


Figure S8. Original western blot images for ROCK2 and GAPDH corresponding to Figure 7B. Western blot for (A) ROCK2 (161 kDa) and (B) GAPDH (36 kDa).

Notes: 1 = DMSO only; 2 = Fingolimod only; 3 = Rezerock only; 4 = Fingolimod + Rezerock.

Abbreviations: DMSO: Dimethyl sulfoxide; GAPDH: Glyceraldehyde 3-phosphate dehydrogenase; HMDM: Human monocyte-derived macrophages; ROCK2: Rho-associated coiled-coil kinase 2.

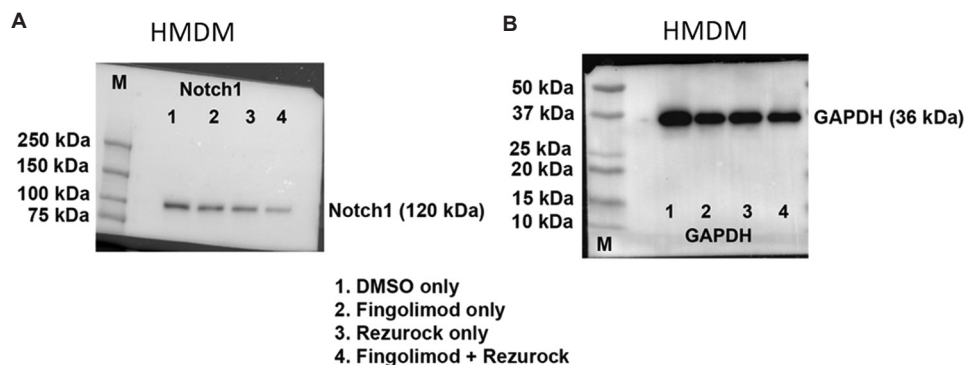


Figure S9. Original western blot images for Notch1 and GAPDH corresponding to Figure 7C. Western blot for (A) Notch1 (120 kDa) and (B) GAPDH (36 kDa).

Notes: 1 = DMSO only; 2 = Fingolimod only; 3 = Rezerock only; 4 = Fingolimod + Rezerock.

Abbreviations: DMSO: Dimethyl sulfoxide; GAPDH: Glyceraldehyde 3-phosphate dehydrogenase; HMDM: Human monocyte-derived macrophages.