

Supplementary Materials

SLC35A2 Deficiency Promotes an Epithelial-to-Mesenchymal Transition-Like Phenotype in Madin-Darby Canine Kidney Cells

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Table S1. List of reagents used in immunofluorescence and fluorescence stainings.

Reagent	Vendor	Dilution
Rabbit anti-SLC35A2 (HPA036087)	Sigma-Aldrich	1:100
Mouse anti-FTCD (C-1)	Santa Cruz Biotechnology	1:25
Mouse anti-vimentin (V9)	Sigma-Aldrich	1:500
Mouse anti-GM130 (35/GM130)	BD Biosciences	1:100
Mouse anti-γ-adaptin (100/3)	Sigma-Aldrich	1:500
Goat anti-mouse IgG Alexa Fluor Plus 555	Thermo Fisher Scientific	1:200-1:1000
Goat anti-rabbit IgG Alexa Fluor Plus 488	Thermo Fisher Scientific	1:1000
Phalloidin conjugated with Alexa Fluor 568	Thermo Fisher Scientific	1:100

Table S2. List of antibodies used in western blotting experiments. ^{1,2}Solutions used for blocking and incubation with both primary and secondary antibodies. 15% BSA in TBS with 0.2% Tween 20; 25% non-fat dried milk in PBS with 0.2% Tween 20.

Antibody	Vendor	Dilution
Rabbit anti-E-cadherin (24E10) ¹	Cell Signaling Technology	1:1000
Rabbit anti-N-cadherin (D4R1H) ¹	Cell Signaling Technology	1:500
Mouse anti-vimentin (V9) ²	Sigma-Aldrich	1:10000
Mouse anti-FTCD (C-1) ¹	Santa Cruz Biotechnology	1:500
Mouse anti-fibronectin (1G10F9) ¹	Proteintech	1:1000
Rabbit anti-ZEB1 ¹	Proteintech	1:1000
Rabbit anti-Slug (C19G7) ¹	Cell Signaling Technology	1:500
Rabbit anti-Snail (C15D3) ¹	Cell Signaling Technology	1:1000
Goat anti-mouse IgG-HRP ^{1/2}	Proteintech	1:5000-1:10000
Goat anti-rabbit IgG-HRP ¹	Sigma-Aldrich	1:5000-1:10000

Table S3. List of primer sequences used in qPCR experiments.

Protein name	Forward primer sequence	Reverse primer sequence
E-cadherin	5'-AAAACCCACAGCCTCATGTC-3'	5'-CACCTGGTCCTTGTTCTGGT-3'
N-cadherin	5'-CCCAAGACAAGCGACTAAGC-3'	5'-TGACAGCTGACCTGAGATGG-3'
Fibronectin	5'-GGTTTCCCATTATGCCATTG-3'	5'-TTCCAAGACATGTGCAGCTC-3'
Vimentin	5'-CCGACAGGATGTTGACAATG-3'	5'-TCAGAGAGGTCGGCAAACCT-3'
GAPDH	5'-AACATCATCCCTGCTTCCAC-3'	5'-GACCACCTGGTCCTCAGTGT-3'

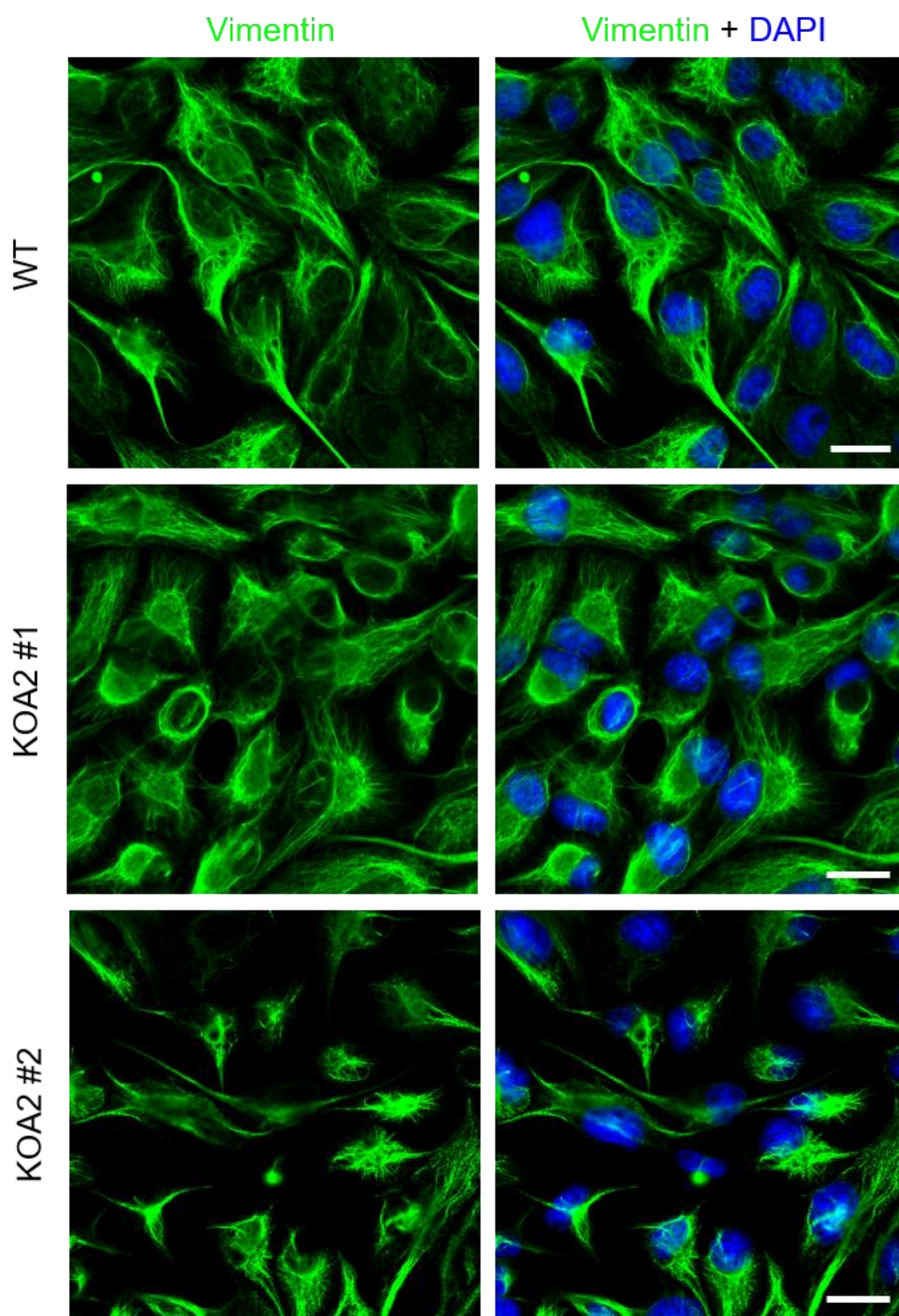


Figure S1. Images of the wild-type and *SLC35A2* knockout MDCK cells stained with anti-vimentin antibody. Vimentin is shown in green and cell nuclei are shown in blue. Scale bar corresponds to 20 μm .

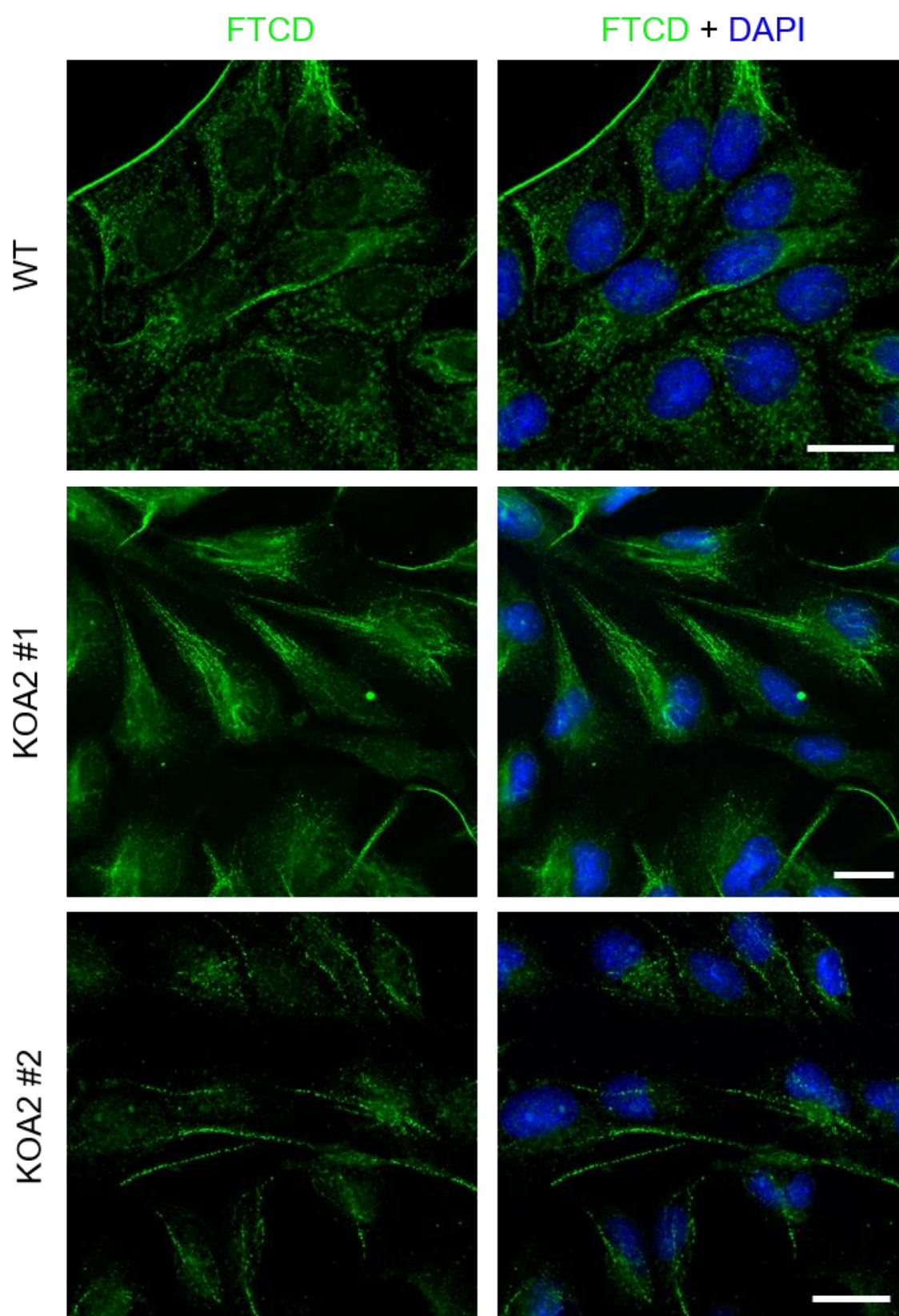


Figure S2. Images of the wild-type and *SLC35A2* knockout MDCK cells stained with anti-FTCD antibody. FTCD is shown in green and cell nuclei are shown in blue. Scale bar corresponds to 20 μm .

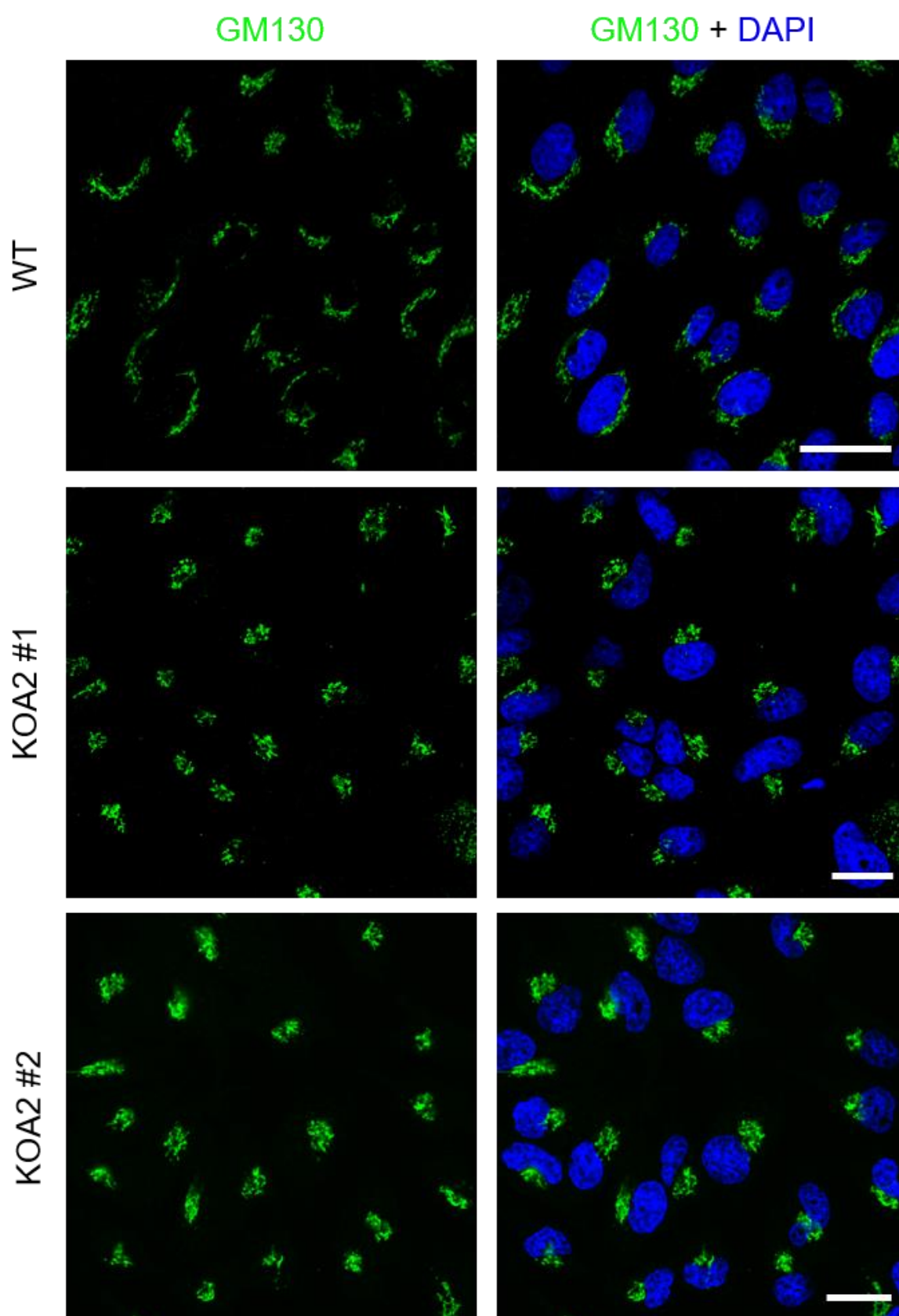


Figure S3. Images of the wild-type and *SLC35A2* knockout MDCK cells stained with anti-GM130 antibody. GM130 is shown in green and cell nuclei are shown in blue. Scale bar corresponds to 20 μm .

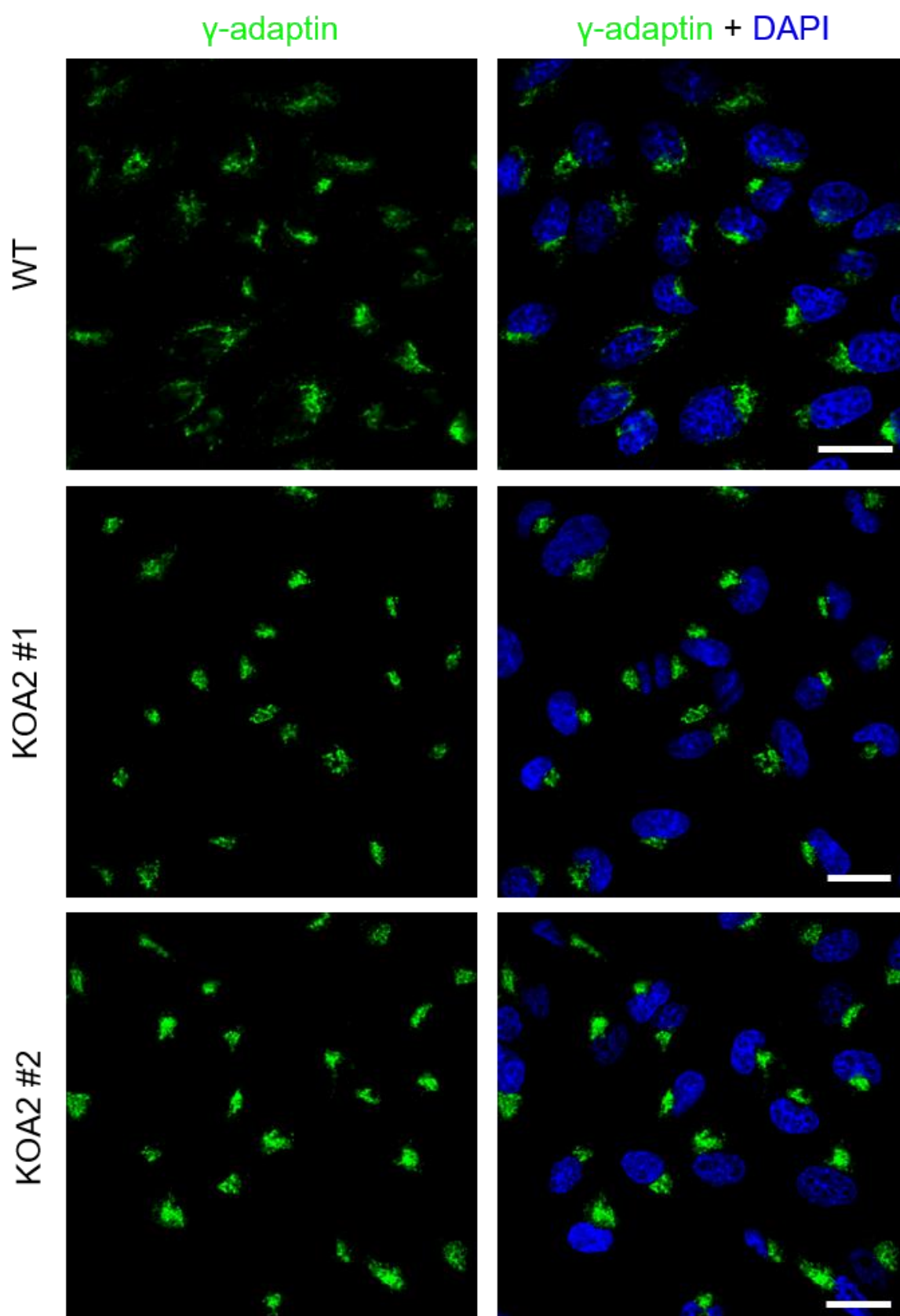


Figure S4. Images of the wild-type and *SLC35A2* knockout MDCK cells stained with anti- γ -adaptin antibody. γ -adaptin is shown in green and cell nuclei are shown in blue. Scale bar corresponds to 20 μ m.