Expanded View Figures

Figure EV1. CIP2A is involved in ciliogenesis under the physiological conditions.

A, B Immunofluorescence images of endogenous CIP2A and TMEM67 in RPE1 cells. Cells under following conditions, asynchronized (AS), serum-starved for 48 h (S.S. 48 h), serum re-stimulation for 1 h after S.S. 48 h (S. 1 h), serum re-stimulation for 5 h after S.S. 48 h (S. 5 h) were fixed with methanol and stained with antibodies specific for CIP2A (red), TMEM67 (green) and DNA was stained with DAPI (blue). Shown are the maximum projections from z stacks; scale bar = 20 μm (A) or 5 μm (B).

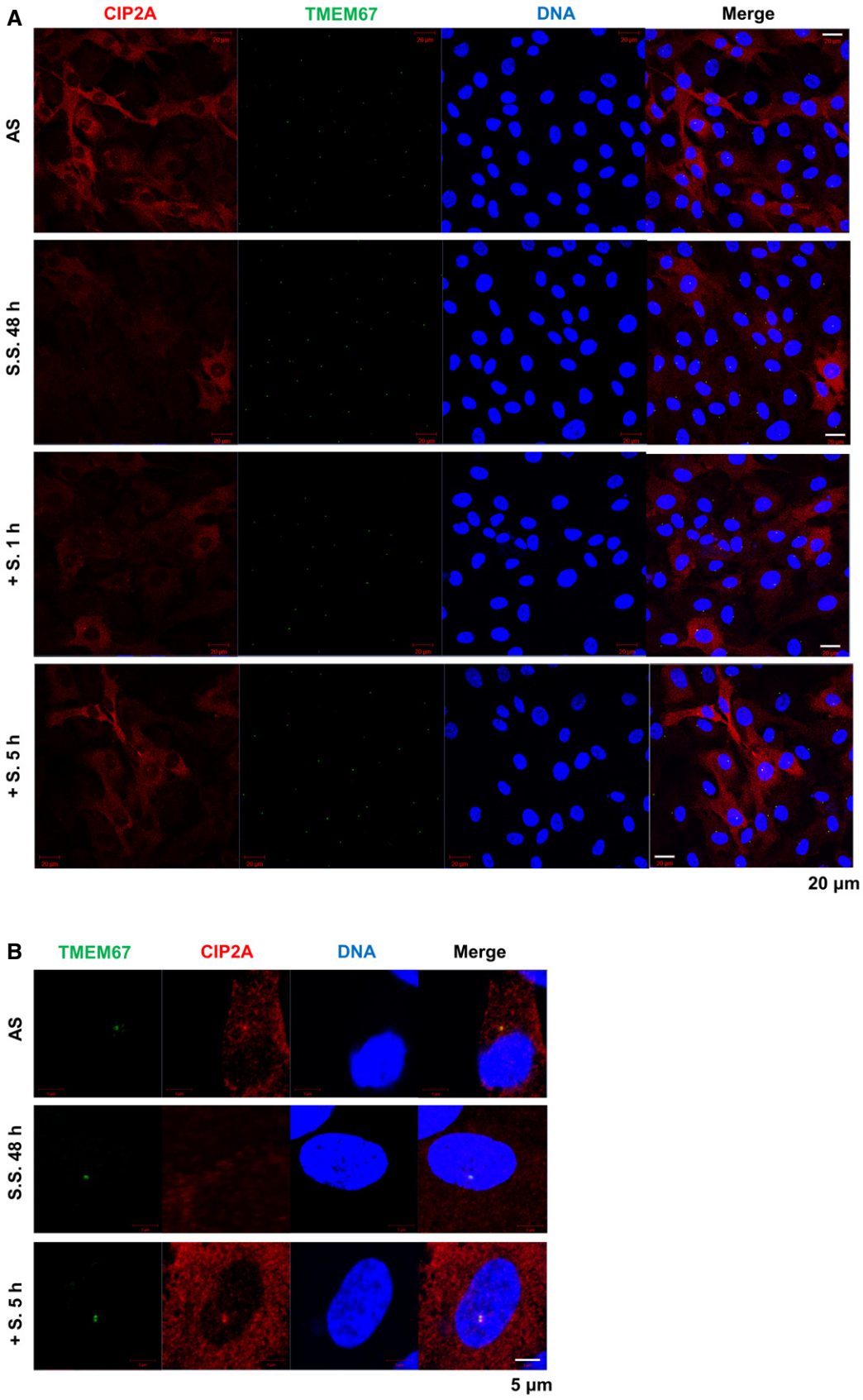
A
CIP2A
TMEM67
DNA
Merge
AS
S.S. 48 h
+ S. 1 h
+ S. 5 h
20 µm
B
TMEM67
CIP2A
DNA
Merge
AS
S.S. 48 h
+ S. 5 h
5 µm

Figure EV1.

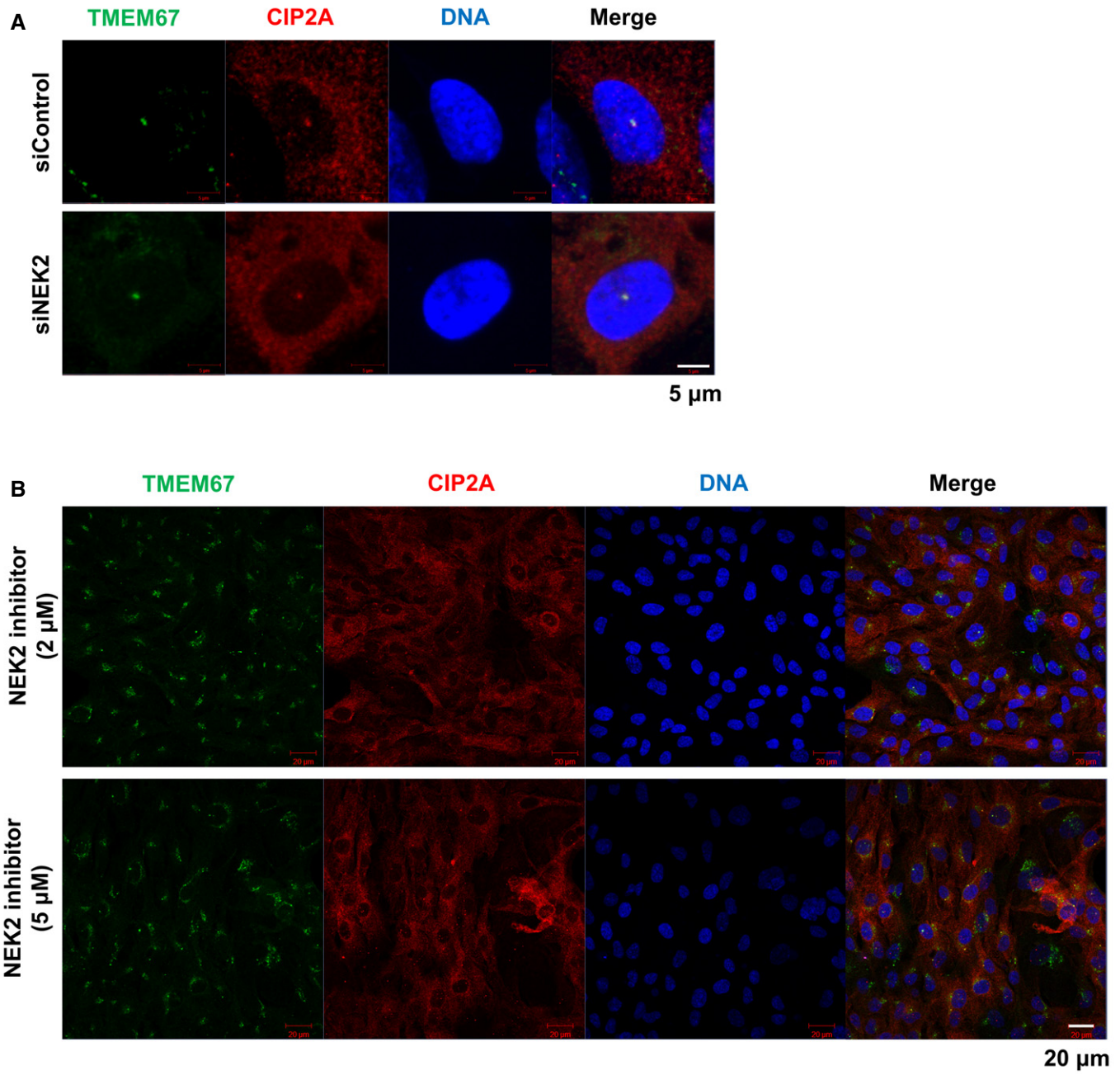

Figure EV2. CIP2A localization is NEK2 independent.
Immunofluorescence images of endogenous CIP2A and TMEM67 in RPE1 cells.

A Cells were transfected with control or NEK2 siRNAs for 48 h, and then fixed for staining and imaging. Shown are the maximum projections from z stacks; scale bar = 5 µm.

B Cells were treated with the NEK2 inhibitor Rac-CCT 250863 for 24 h and then fixed for staining and imaging. Shown are the maximum projections from z stacks; scale bar = 20 µm.