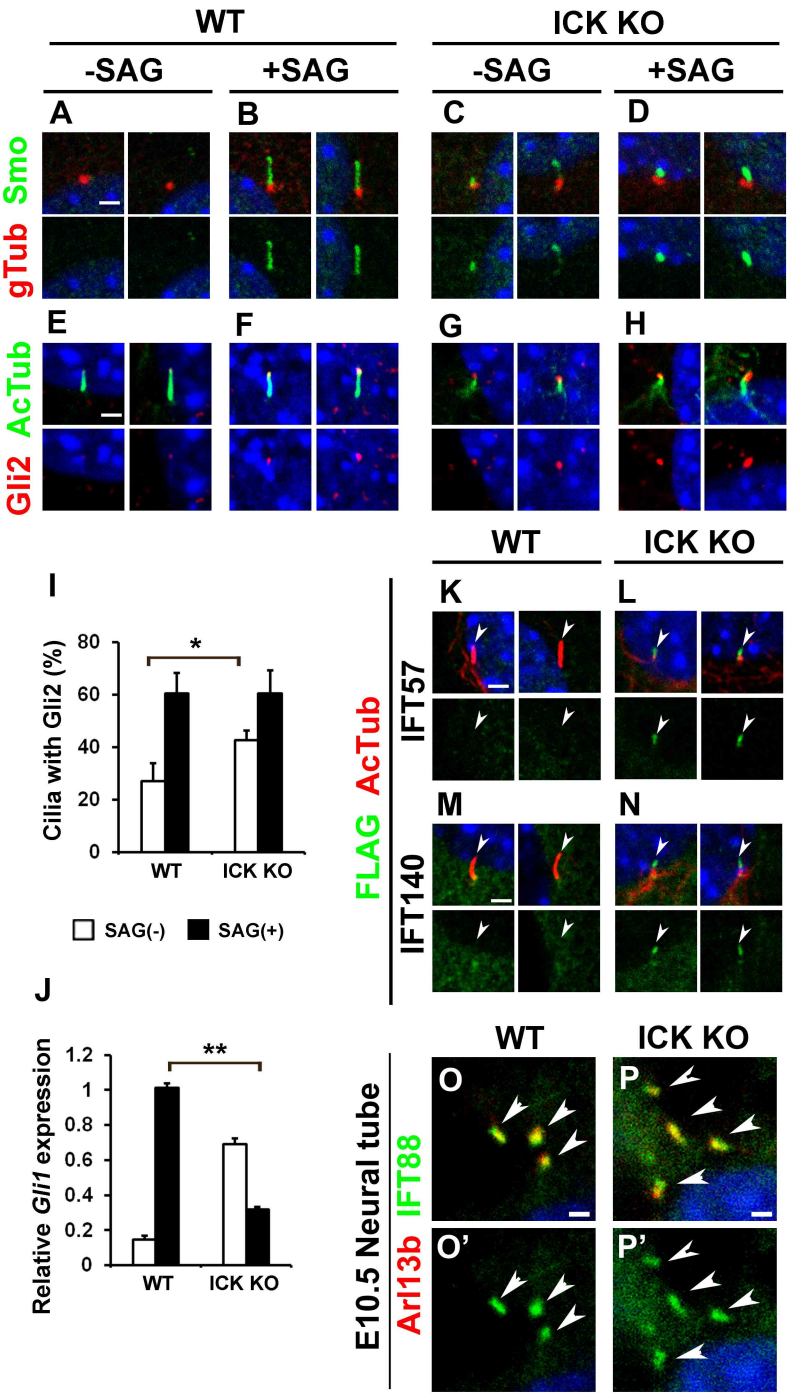

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Figure S6 Loss of ICK affects ciliary transport. (**A–H**) *ICK*$^{+/+}$ and *ICK*$^{-/-}$ MEFs were treated or not treated with Smo agonist (SAG) and immunostained with antibodies against Smo (green in **A–D**) and Gli2 (red in **E–H**). The cilia were immunostained with an antibody against acetylated α-tubulin (green in **E–H**). Centrioles were immunostained with an antibody against γ-tubulin (red in **A–D**). Smo and Gli2 are aberrantly present in the *ICK*$^{-/-}$ MEF cilia without stimulation with SAG. (**I**) Quantification of the cilia with Gli2 signals. The percentages of the cilia with Gli2 signals in *ICK*$^{+/+}$ and *ICK*$^{-/-}$ MEFs with or without treatment of SAG were quantified. (**J**) Shh signal-dependent expression of *Gli1* is defective in *ICK*$^{-/-}$ MEFs. *ICK*$^{+/+}$ and *ICK*$^{-/-}$ MEFs were untreated or treated with SAG and *Gli1* mRNA expression level was measured by Q-PCR. (**K–N**) FLAG-tagged IFT57- (**K, L**) or IFT140- (**M, N**) expressing plasmids were transfected into *ICK*$^{+/+}$ and *ICK*$^{-/-}$ MEFs. Cells were stained with anti-acetylated α-tubulin (red) and anti-FLAG (green) antibodies. Arrowheads indicate ciliary tips. (**O–P'**) *ICK*$^{+/+}$ (**O, O'**) and *ICK*$^{-/-}$ (**P, P'**) neural tube cilia at E10.5 were immunostained with antibodies against IFT88 (green) and Arl13b (red). There was no obvious difference in ciliary localization of IFT88 between *ICK*$^{+/+}$ and *ICK*$^{-/-}$ neural tube cilia. Arrowheads indicate cilia. Nuclei were stained with DAPI (blue). Scale bars, 2 μm (**A–H, K–N**) and 1 μm (**O–P'**). Error bars show the SD. $^{**}p < 0.03$, $^{*}p < 0.05$.