



Supplementary Figure. Western blot analysis of autophagy pathway during postnatal cerebellar development. *ACP2* deletion mutation downregulates autophagy machinery in the cerebellum. Total cell lysates from the cerebellum of wild-type and *Acp2* point-mutated mice have been prepared for the indicated time-points after the birth (P1, P4, P6, P8, P14, and P17), and immunoblots were arranged for autophagy markers (LC3 $\beta$ , Atg5-12, Beclin1, and Atg7). Our results showed that an *ACP2* deletion mutation decreased LC3 $\beta$  lipidation, Atg5 and Atg12 conjugation, Beclin-1 expression, and Atg7 expression. Protein loading was confirmed using GAPDH. Experiment was repeated using 2 different series of mice.