Figure S1. Absence of HIPK2 expression in locus ceruleus and striatum. (a–c) Expression of HIPK2 in locus ceruleus, a nucleus enriched with TH⁺, catecholaminergic neurons, was determined using LacZ staining, which showed essentially no detectable presence of LacZ activity. Panels a and c showed the location of locus ceruleus using Nissl stain and tyrosine hydroxylase immunohistochemistry, respectively. The region for locus ceruleus was highlighted by arrows and the mesencephalic trigeminal nucleus (MesV) by arrowheads. (d–f) Similar to the locus ceruleus, HIPK2^LacZ was not detected in the caudate/putamen (CPu) region of the striatum, but can be detected in the cerebral neocortex (Cx). Abbreviations: 4th V: fourth ventricle, Aq: cerebral aqueduct, MesV: mesencephalic trigeminal nucleus, Cx: cerebral neocortex, LV, lateral ventricle, CPu: caudate/putamen, LSI: lateral septal nucleus, intermediate part. Scale bar, 200 μm.