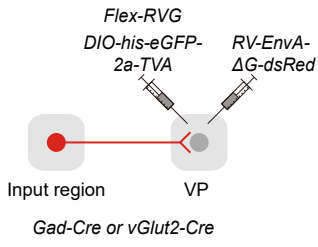
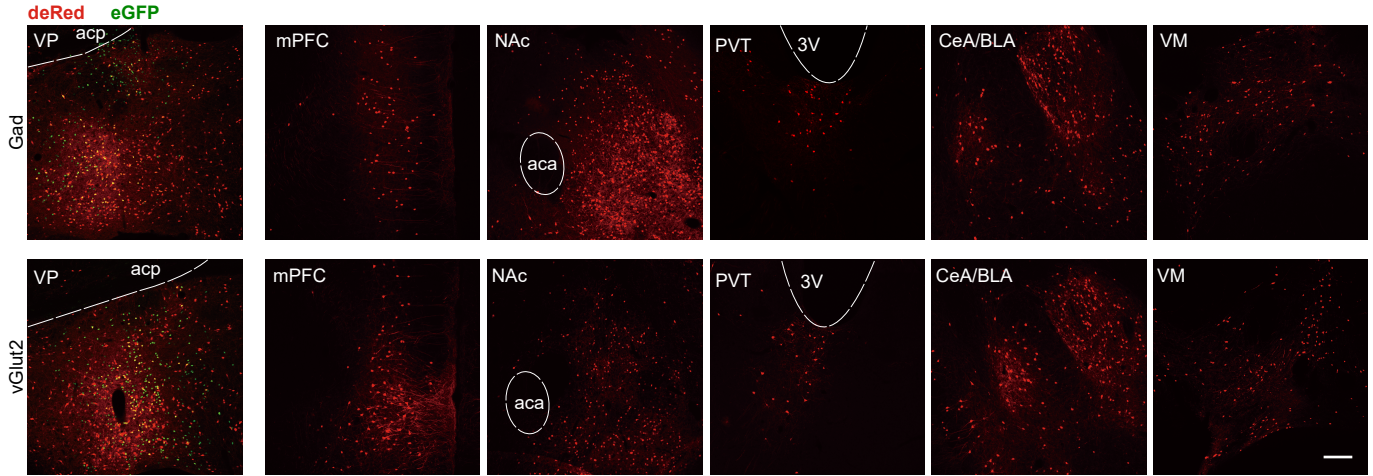


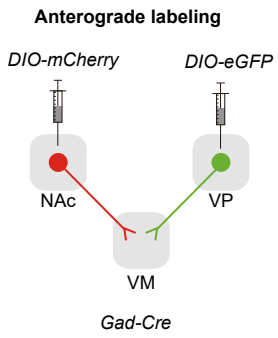
a



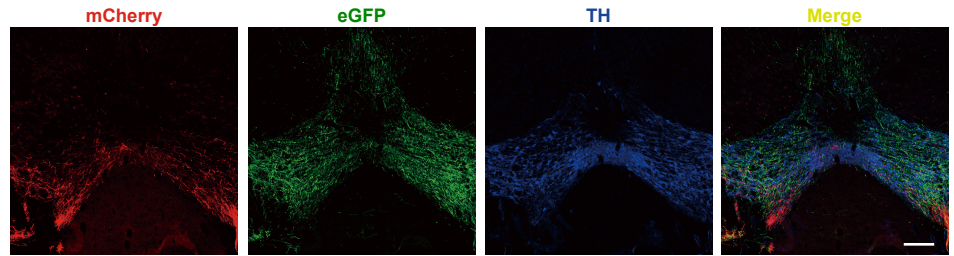
b



c



d



Supplementary information, Fig. 10 Rabies virus-based retrograde labeling of GABAergic or glutamatergic neurons in the VP.

a, Schematic of experimental design. *AAV9-EF1 α -DIO-his-eGFP-2a-TVA* and *AAV9-EF1 α -DIO-RVG* were unilaterally injected into the VP of *Gad-Cre* or *vGlut2-Cre* mice. Two weeks later, *RV-ENVA-deltaG-dsRed* (RVdG) was injected into the same VP site. Eight days were allowed for rabies to transduce and label synaptic connected input neurons. **b**, Representative confocal images of rabies labeling of given regions inputs to VP GABAergic or glutamatergic neurons from *Gad-Cre* or *vGlut2-Cre* mice, respectively. Scale bar: 100 μ m. **c**, Schematic of anterograde labeling of GABA^{NAc-VM} and GABA^{VP-VM} projections. *AAV9-EF1 α -DIO-mCherry* and *AAV9-EF1 α -DIO-eGFP* were bilaterally injected into the NAc and VP of *Gad-Cre* mice. **d**, Representative images of mCherry⁺ and eGFP⁺ projectors in the VM with immunostaining of TH⁺ neurons. Scale bar: 100 μ m. Related to Figure 5.