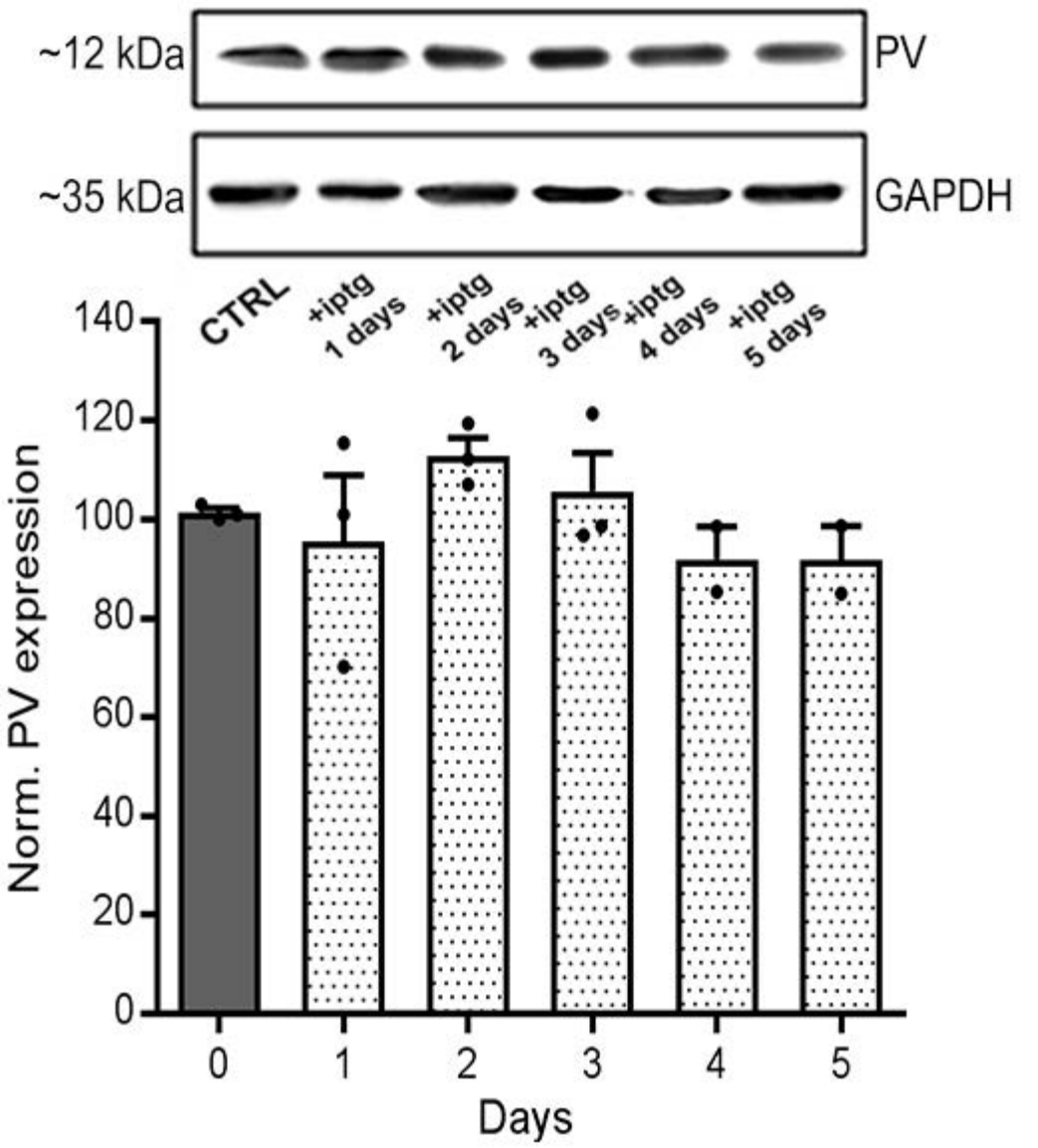
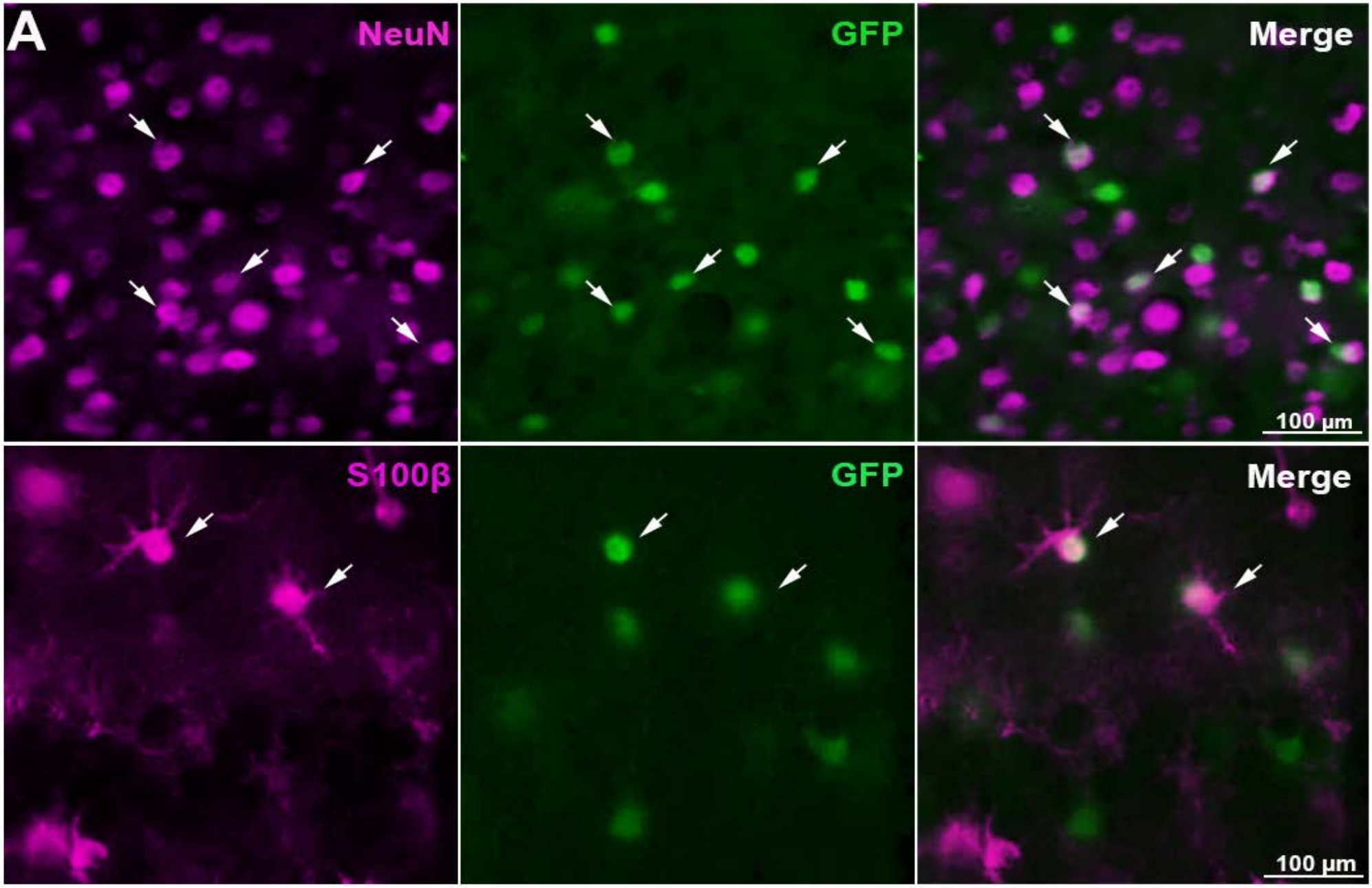
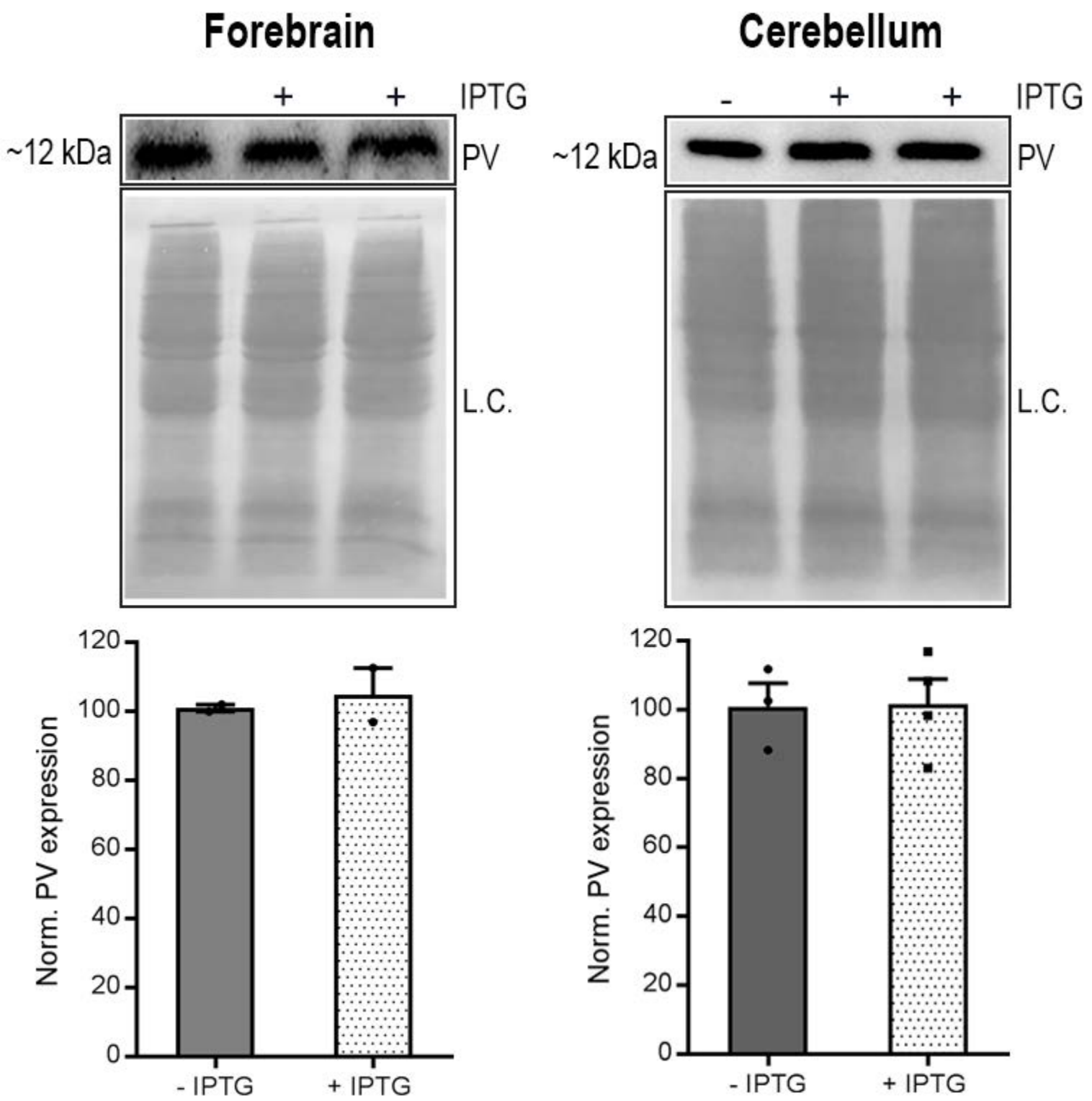
Fig. S1 Western blot analysis of PV and GAPDH (used for normalization) levels in RN5-PV cells co-transfected with shTurboGFP cultured with 1 mM IPTG for 5 days (upper panels). Quantification and normalization of Western blot signals revealed no differences in PV levels in RN5-PV cells expressing shTurboGFP compared to untreated RN5-PV cells.

Fig. S2 Colocalization of $eGFP^+$ cells (green) with the neuronal marker NeuN (purple; upper row) and the glial marker S100β (purple, lower row) in the cortex of shPV22 transgenic mice (line #277). In the merged images (Merge) arrows indicate double-labeled (white) cells demonstrating the expression of transgene in neurons and glia.

Fig. S3 Western blot analysis of PV levels (the Ponceau Red-stained membrane was used for normalization) in the forebrain and cerebellum of shTurboGFP mice treated with IPTG (upper panels). Quantification and normalization of PV Western blot signals (n=3 blots, 5 mice) revealed no PV downregulation after IPTG i.p. administration at PND18, 21 and 24 in forebrain and cerebellum of PND25 shTurboGFP mice (lower panel).


~12 kDa
PV
~35 kDa
GAPDH
CTRL
+iptg 1 days
+iptg 2 days
+iptg 3 days
+iptg 4 days
+iptg 5 days
Norm. PV expression
140
120
100
80
60
40
20
0
0
1
2
3
4
5
Days


A
NeuN
GFP
Merge
100 µm
S100β
GFP
Merge
100 µm


Forebrain
Cerebellum
IPTG
+
+
-
~12 kDa
PV
L.C.
Norm. PV expression
120
100
80
60
40
20
0
- IPTG
+ IPTG