Figure 1A

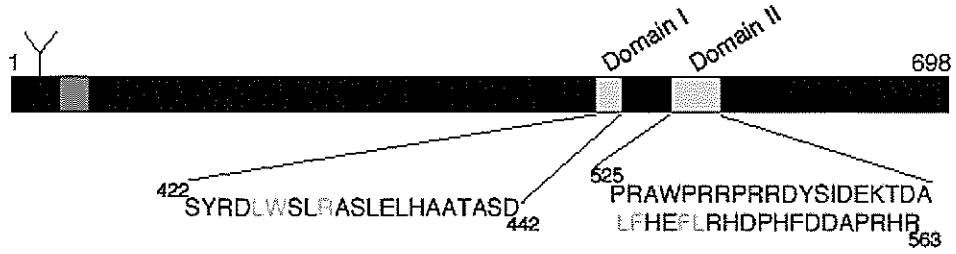


Figure 1B

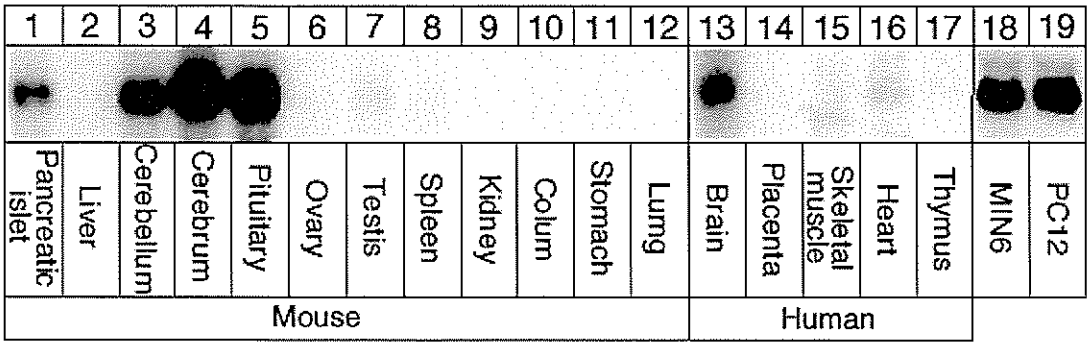


Figure 1C

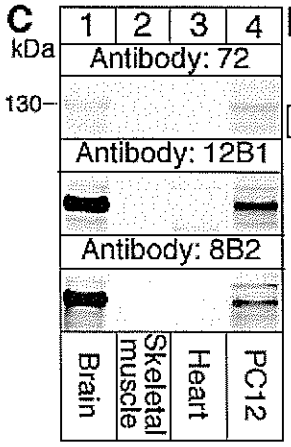


Figure 1D

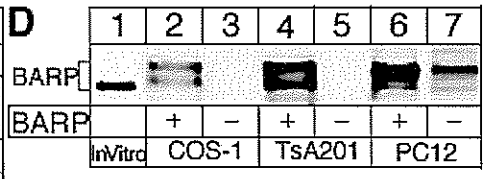


Figure 1E

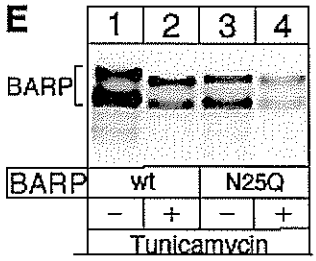


Figure 1F

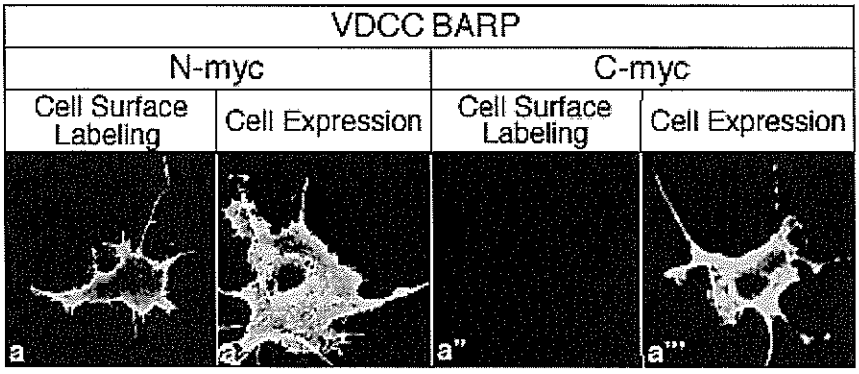


Figure 1G

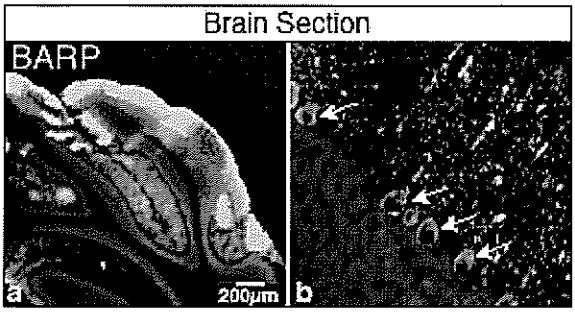


Figure 1H

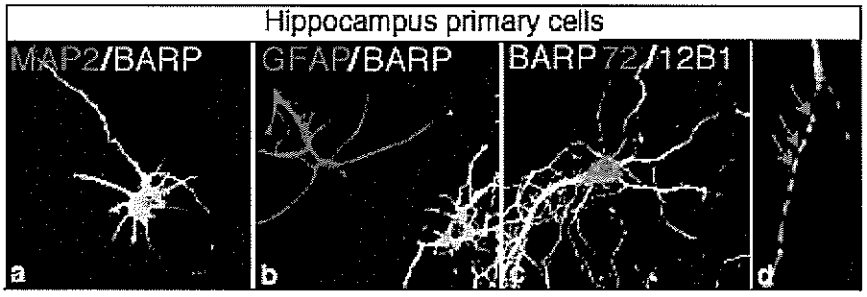


Figure 1I

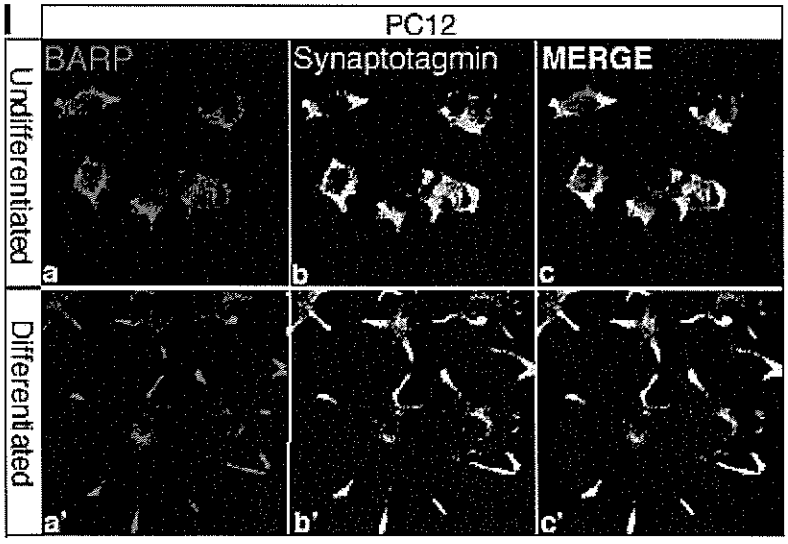


Figure 2A

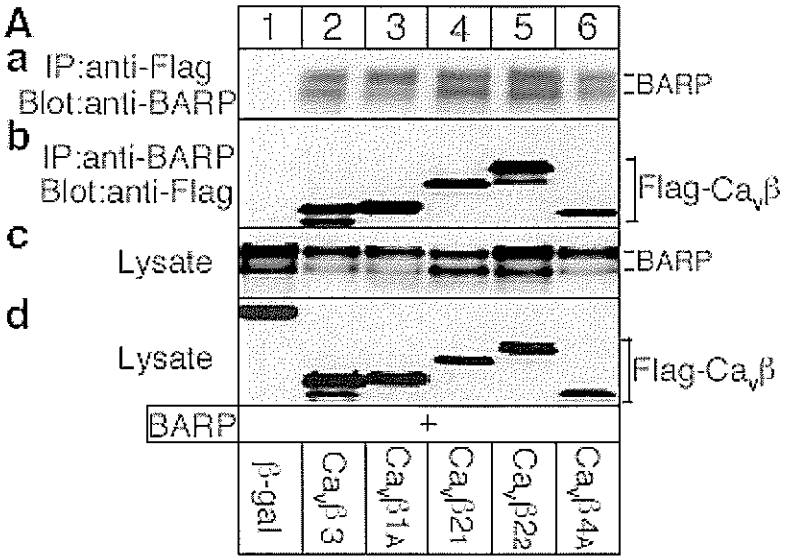


Figure 2B

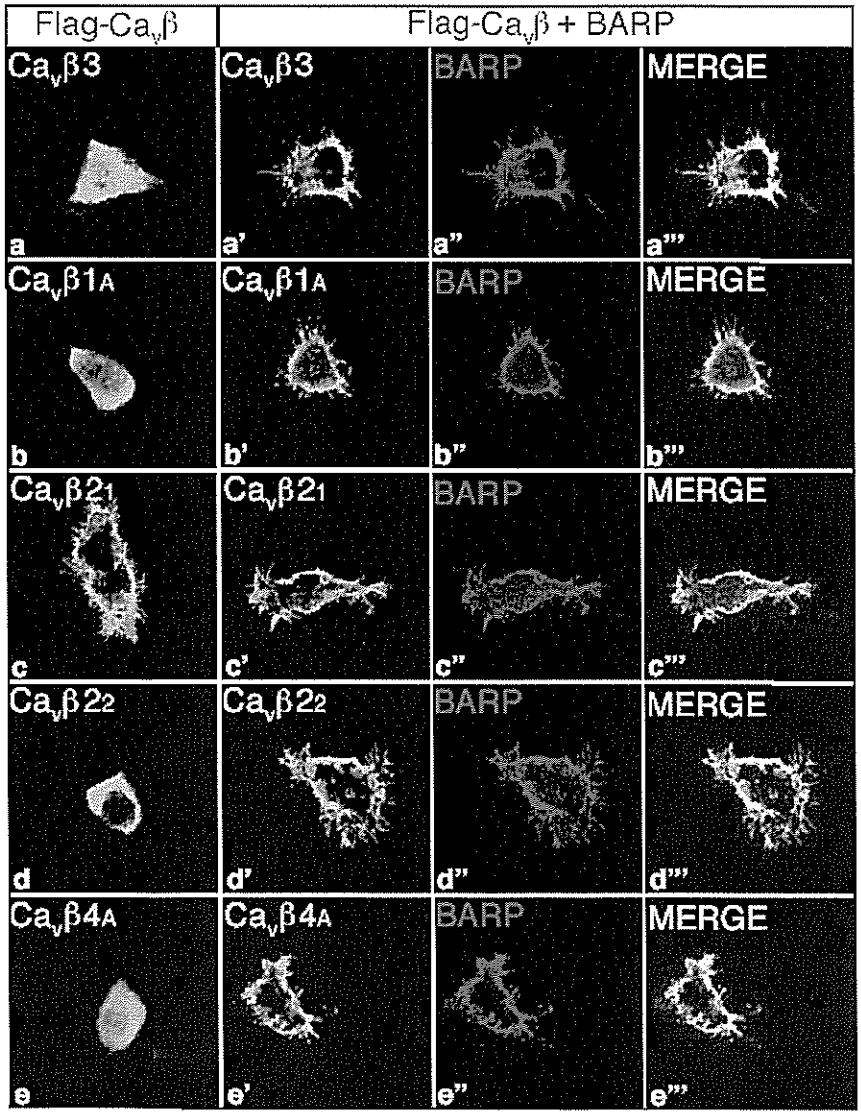


Figure 2C (a)

α Helix

GST-BARP(Dom.I) ^{422}SYRDLWSLRASLELHAATASD$_{442}$

GST-Ca_v1.2(AID) ^{458}DEAQTIWDLYGKLDEELQQKERLKQFDGRAKAKEREK$_{422}$

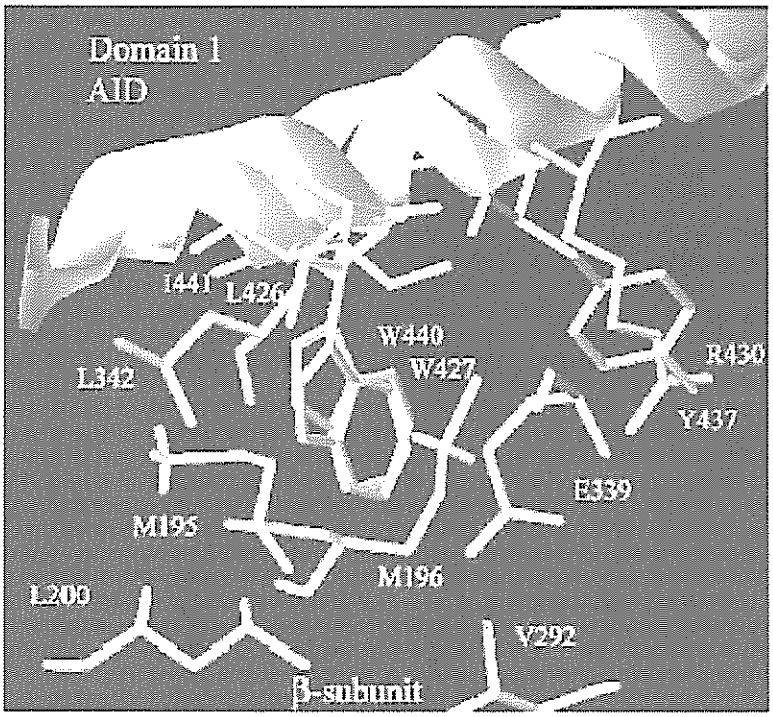


Figure 2C (b)

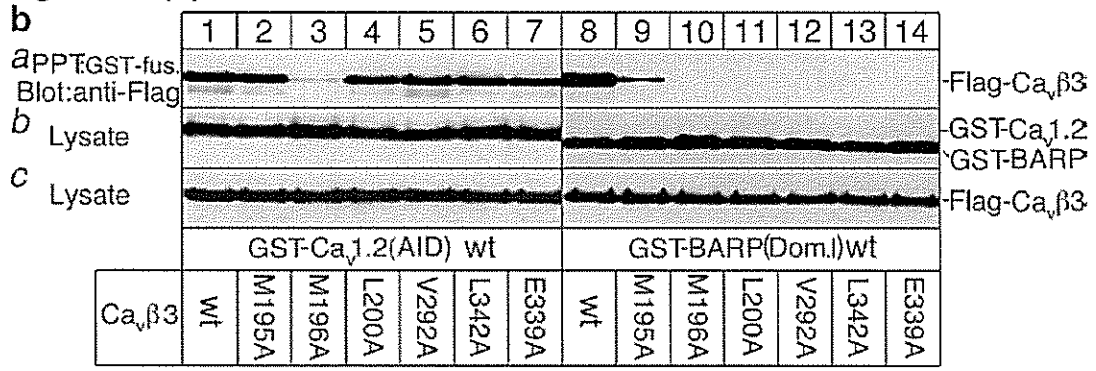


Figure 2C (c)

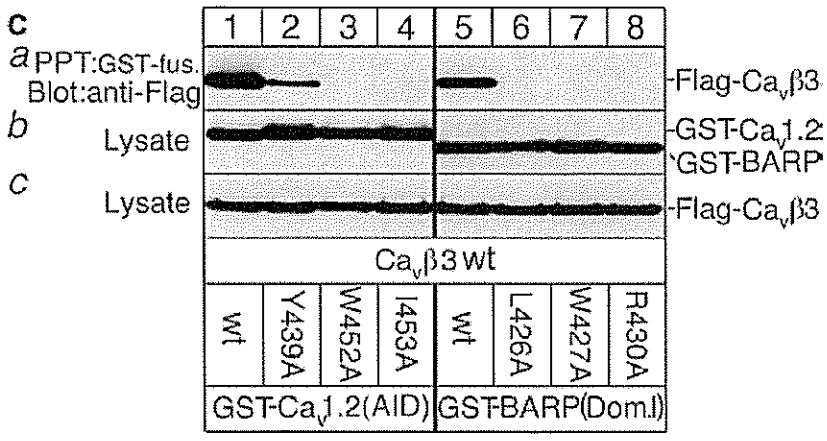


Figure 2C (d)

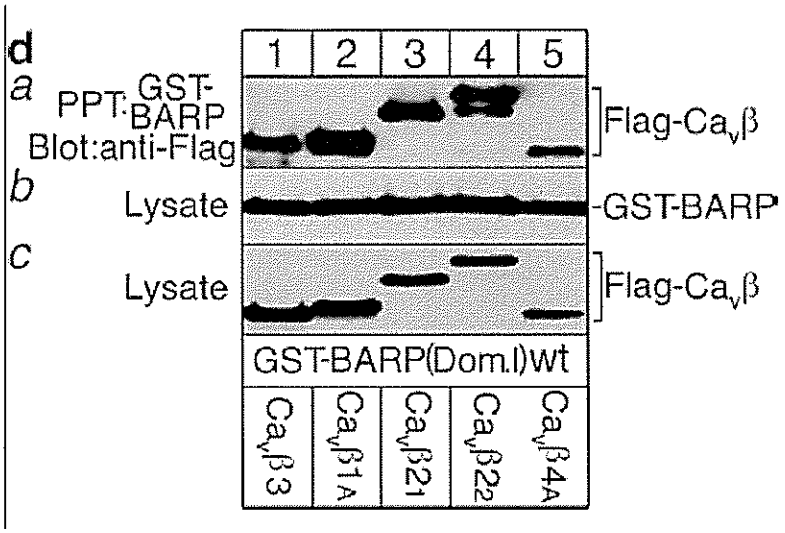


Figure 2D (a)

a

GST-BARP(Dom.II) ^{525}PRAWPRRPRRDYSIDEKTDALFHEFLRHDPHFDDAPRHR$_{563}$

Figure 2D (b)

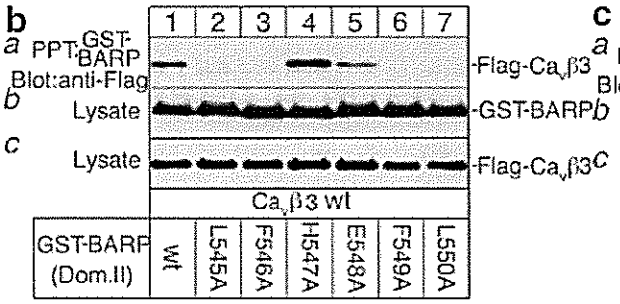


Figure 2D (c)

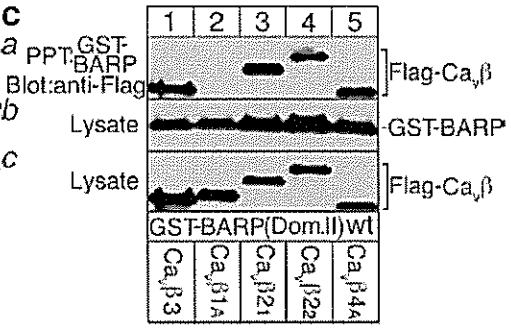


Figure 2E

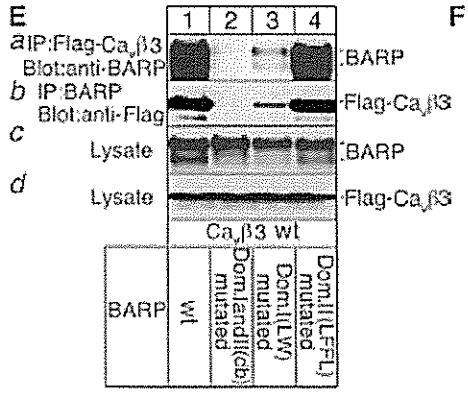


Figure 2F

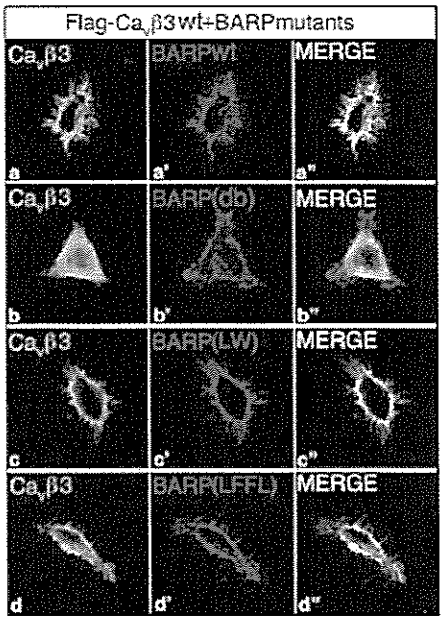


Figure 3A

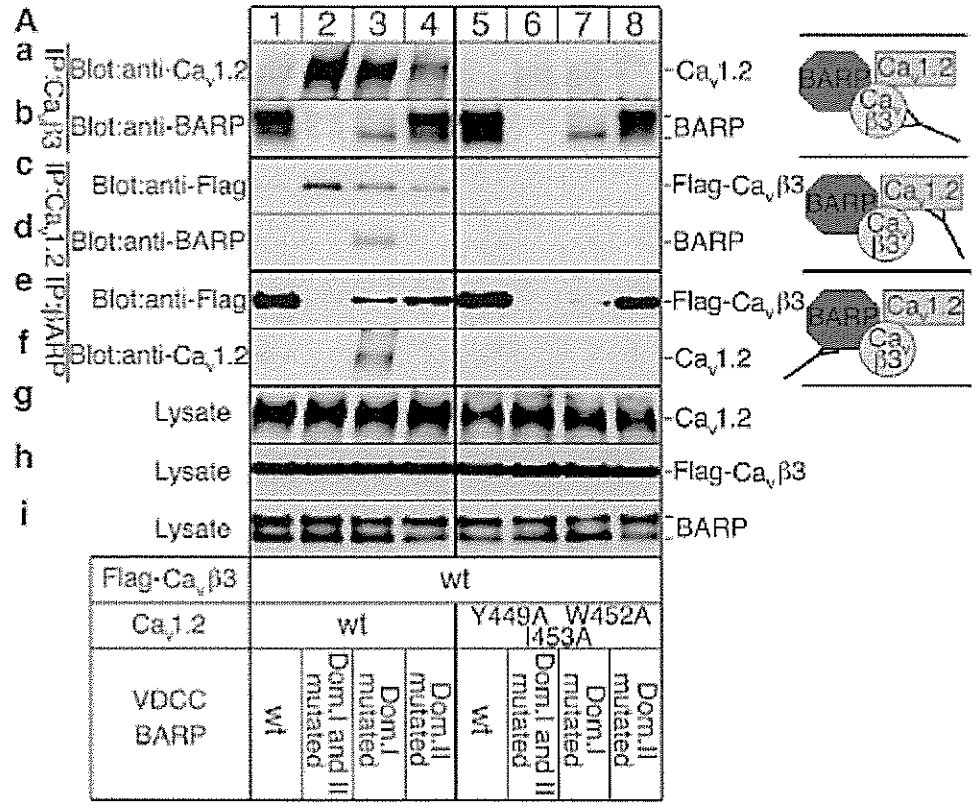


Figure 3B

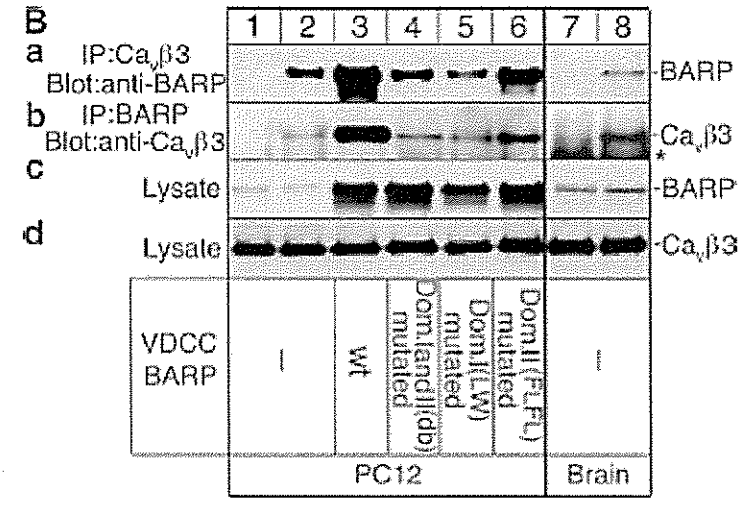


Figure 3C

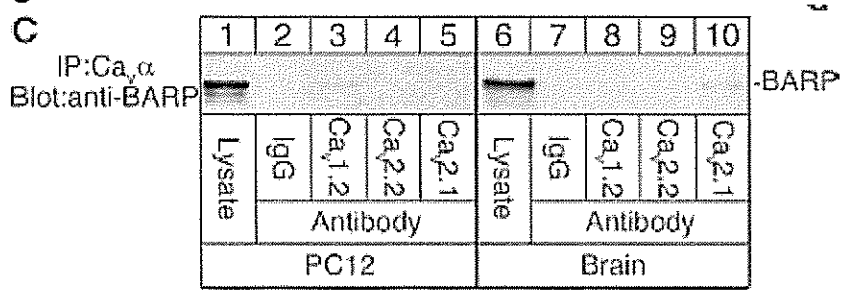


Figure 4A

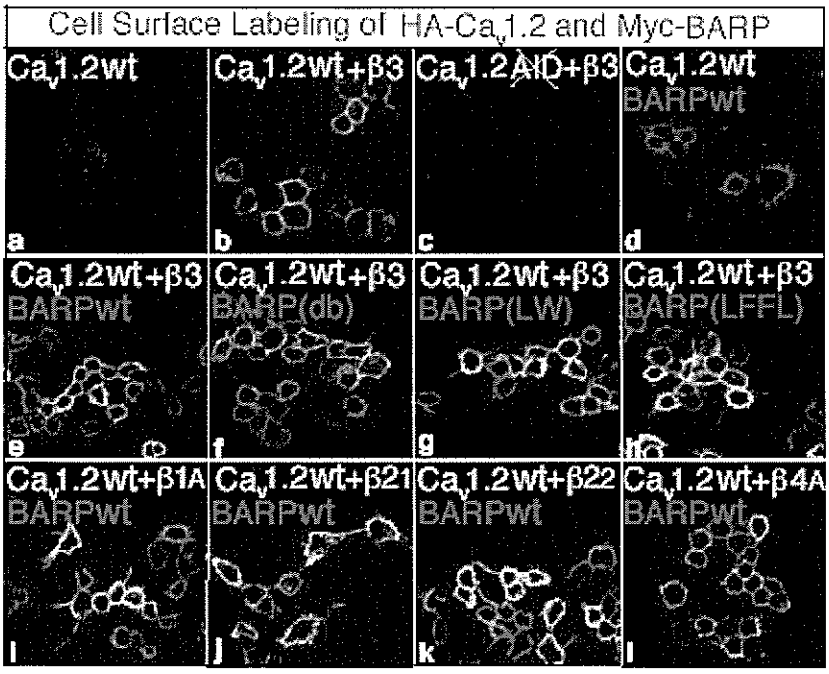


Figure 4B

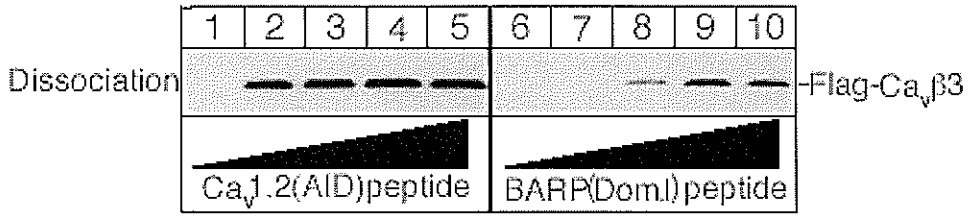


Figure 4C

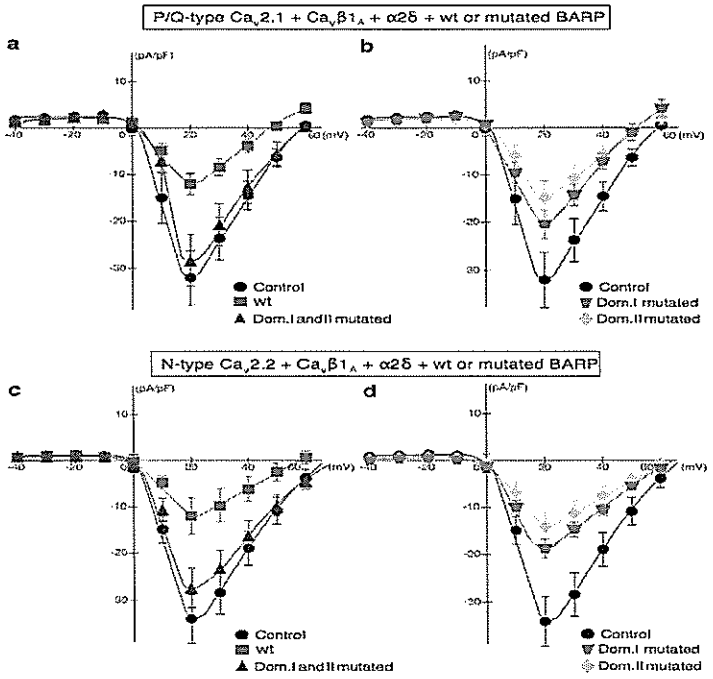


Figure 5

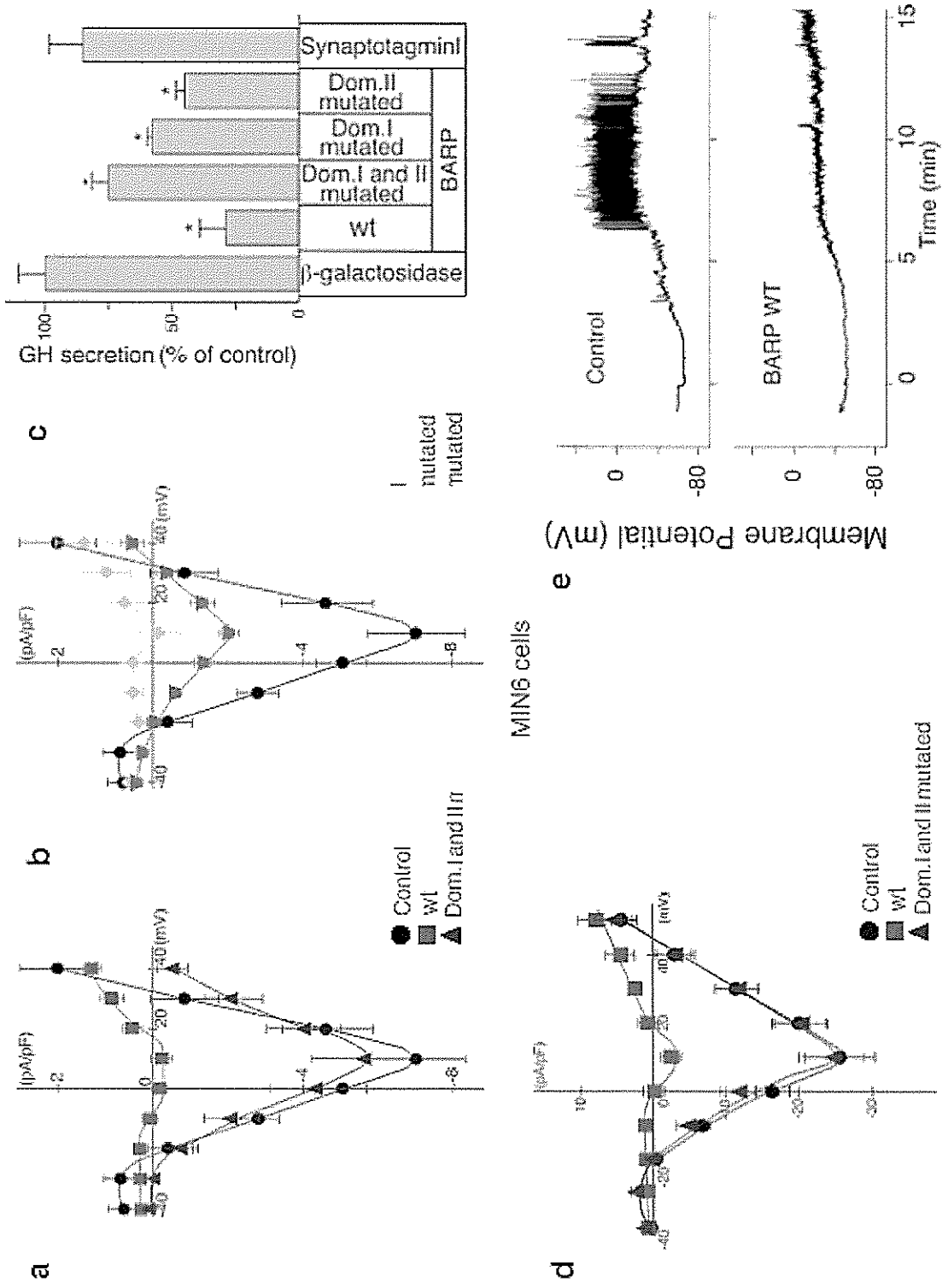

a
b
c
d
e
MIN6 cells
Control
wt
Dom.I and II mutated
Synaptotagmin I
Dom.II mutated
Dom.I mutated
Dom.I and II mutated
wt
β-galactosidase
BARP
GH secretion (% of control)
Control
BARP WT
Membrane Potential (mV)
Time (min)

Figure 6

