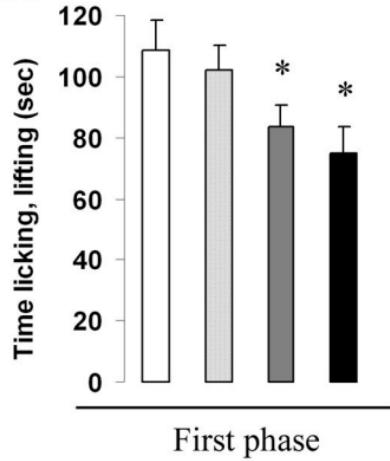
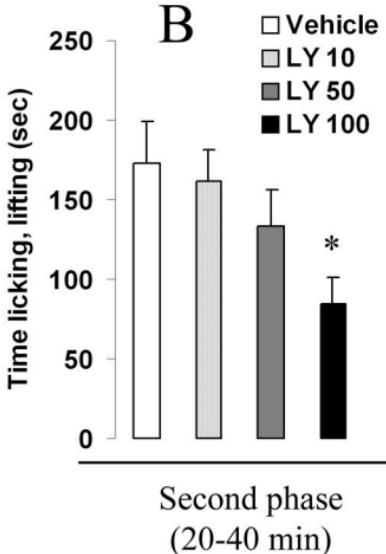
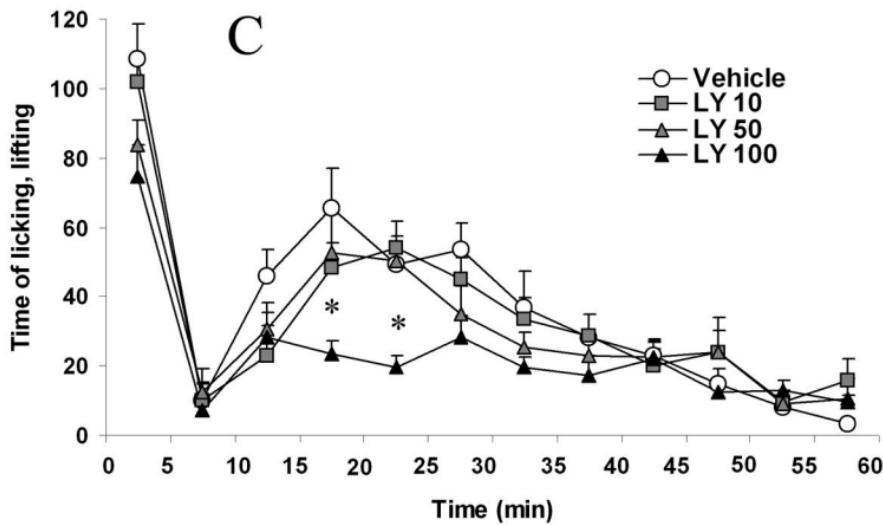


**A**

First phase

**B**Second phase  
(20-40 min)**C**

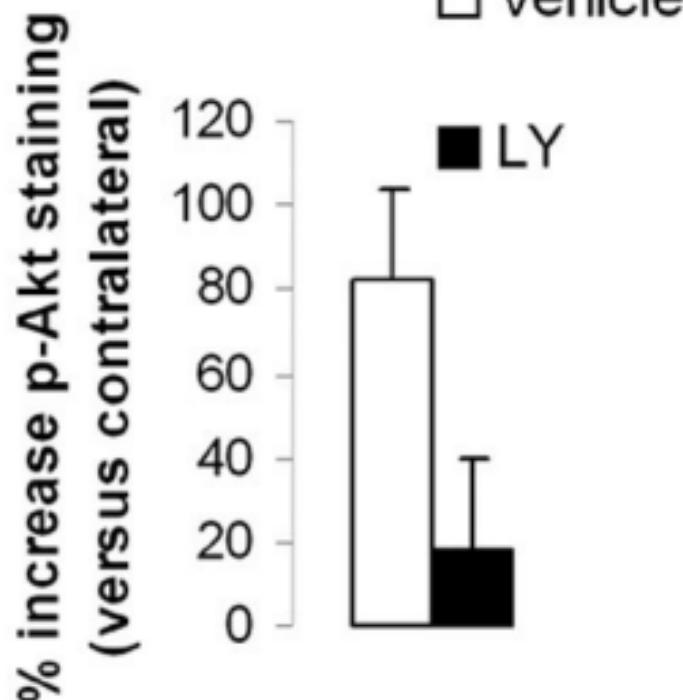
A

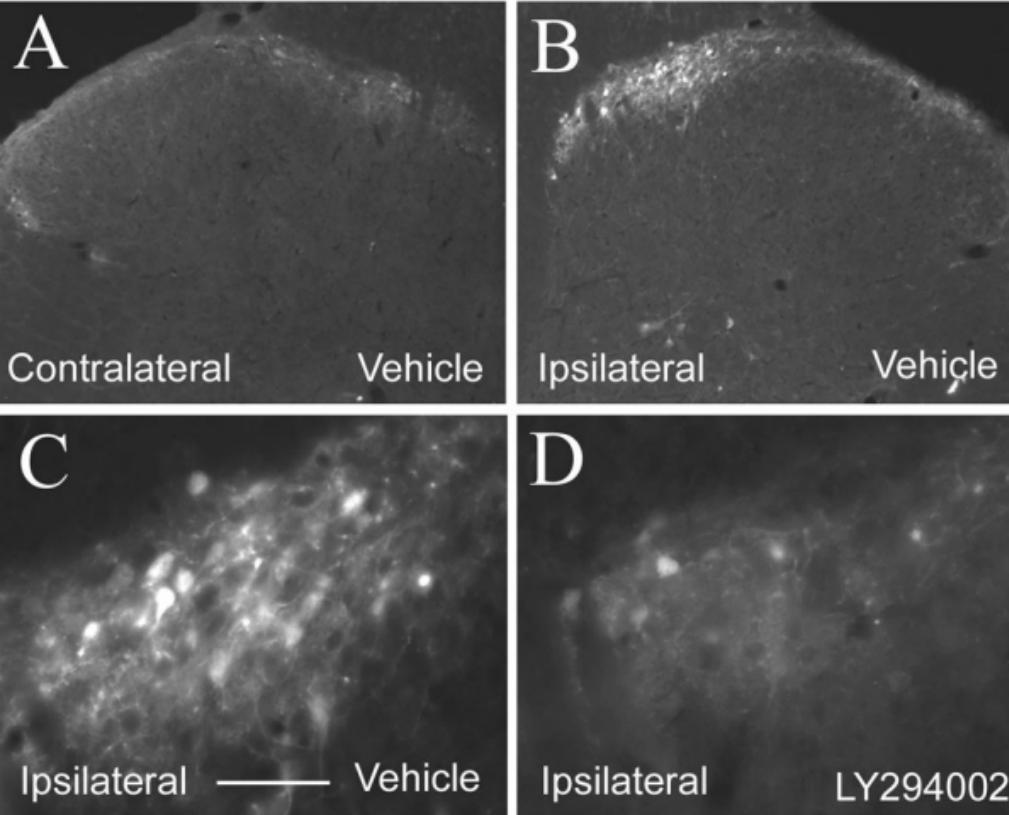
Contralateral

B

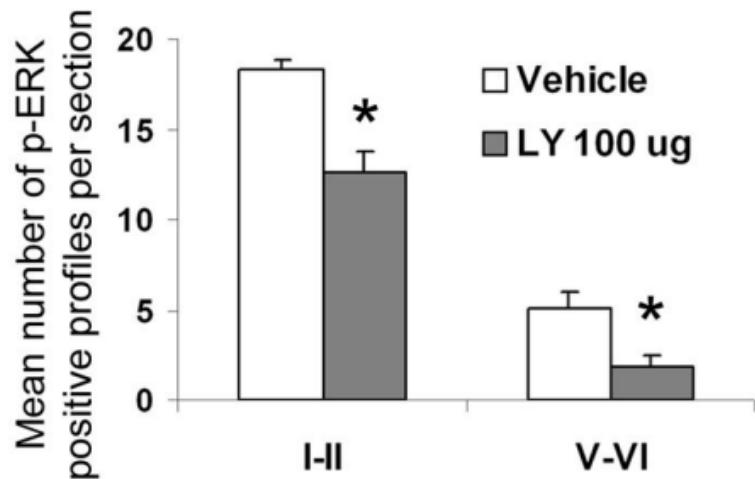
Ipsilateral

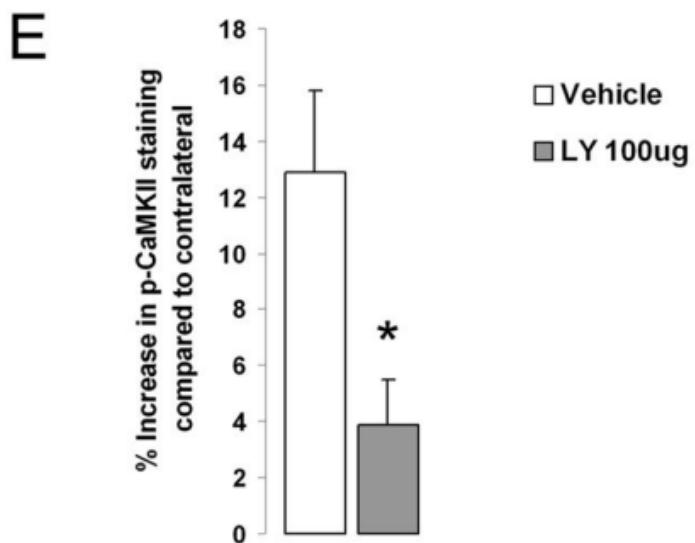
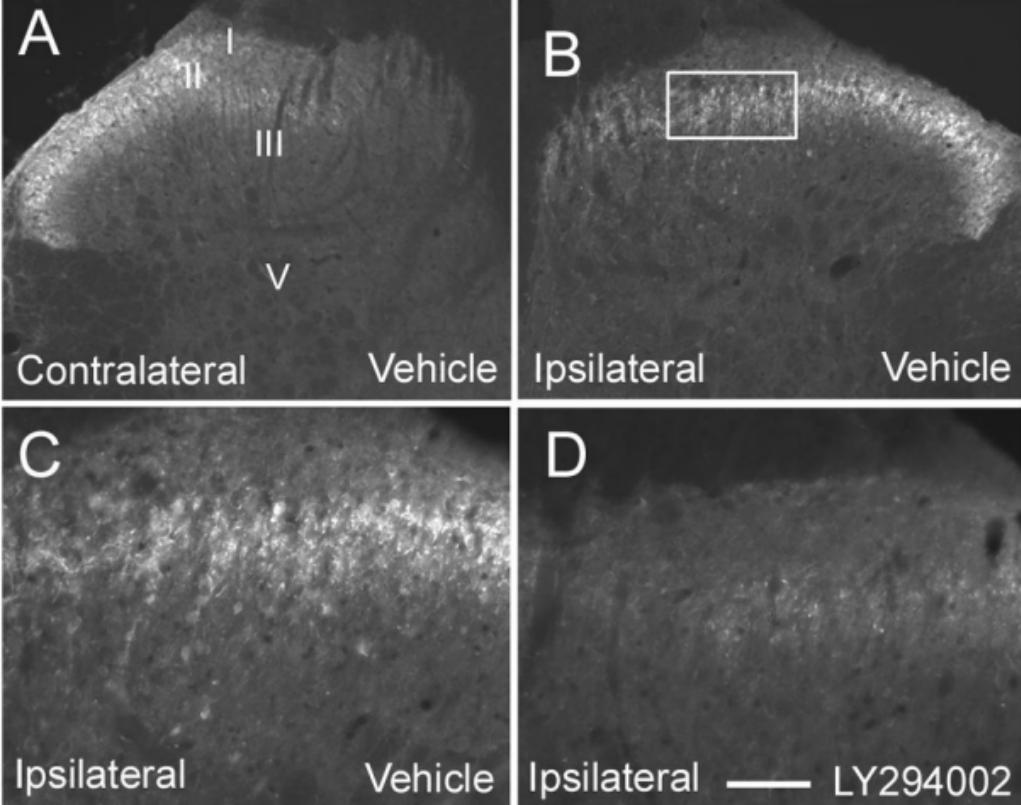
C





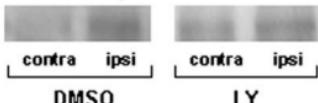
E



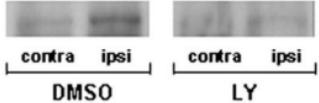
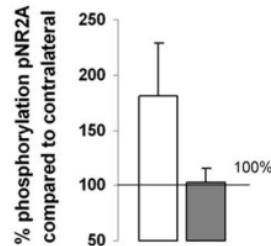
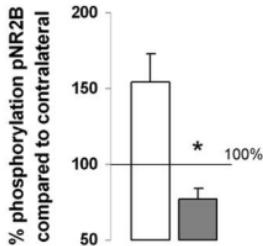
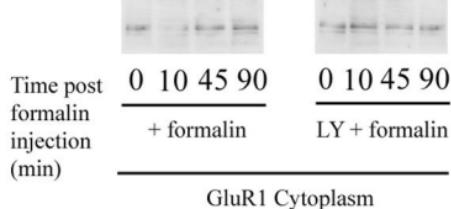
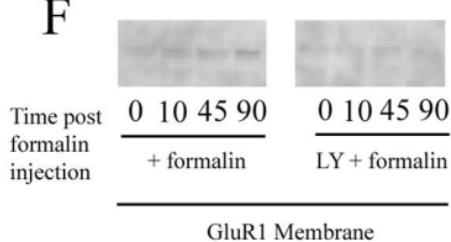


**A**

p-NR2A

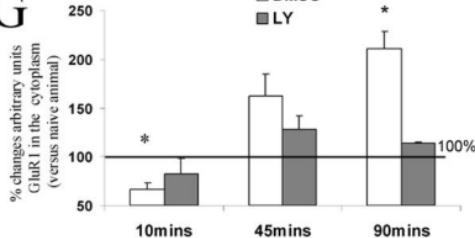
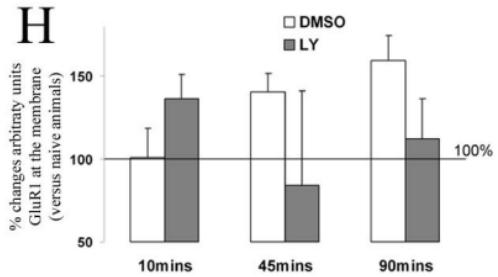
**C**

p-NR2B

**B****D****E****F**

Time post  
formalin  
injection (min)

GluR1 Cytoplasm

**G****H**

*Pre-synaptic  
dorsal horn neurons*

Glu

Glu

Glu

AMPA R

NMDA

GluR1  
Trafficking



*Post synaptic  
dorsal horn neurons*

**Central  
sensitisation**

**PI3K**

**ERK<sub>1,2</sub>**

**CaMKII**

Protein synthesis  
i.e. C-fos

Nucleus

**Short-term  
events**

**Long-term  
events**