

Supplementary Table S1. Antibodies and reagents used for immunoenzymatic and immunofluorescence histochemistry.

Primary antibodies (antigen)	Species	Dilution	Incubation time	Source
SP	rabbit	1:15000 (immunoperox) 1:5000 (immunoflu)	o.n	Millipore, Temecula, CA, USA
MHC-II	mouse	1:20	o.n.	Abcam, Cambridge, UK
Iba1	rabbit	1:250	o.n.	Wako, Richmond, VA, USA
GFAP	rabbit	1:500	o.n.	Dako, Carpinteria, CA, USA
Secondary antibodies and reagents				
Biotinylated anti-rabbit IgG	goat	1:200	1 hour	Vector Lab, Burlingame, USA
Vectastain ABC Elite kit			30 min	Vector Lab, Burlingame, USA
Alexa Fluor R 488 F(ab') ₂ fragment of goat anti rabbit	goat	1:300	1 hour	Molecular Probes, Eugene, Oregon, USA
Biotinylated anti-mouse IgG (H+L) affinity purified	goat	1:300	1 hour	Vector Laboratories, Inc, Burlingame, CA
Streptavidin Alexa Fluor 555 conjugated		1:300	1 hour	Molecular Probes, Eugene, USA
TO-PRO3			5 min	Invitrogen, Eugene, USA
Alexa Fluor® Plus 488 goat anti rabbit IgG	goat	1:500	1 hour	Invitrogen, Eugene, USA
Alexa Fluor® Plus 568 goat anti rabbit IgG	goat	1:500	1 hour	Invitrogen, Eugene, USA
DAPI (4', 6-diamidin-2-phenylindole, dihydrochloride)		1:2000	1 hour	Molecular Probes, Eugene, USA

Supplementary Table S2. Total, resting and activated cells count concerning immunofluorescence staining results expressed in Figure 7.

		<i>GFAP-positive cells</i>		<i>Iba1-positive cells</i>	
		Dorsal horn	Ventral horn	Dorsal horn	Ventral horn
<i>Ctrl (n = 40)</i>	Total cells count (mean $\pm$ S.E.M.)	60.42 $\pm$ 8.19	119.96 $\pm$ 7.77	21.42 $\pm$ 1.27	24.96 $\pm$ 0.88
	Resting cells count (mean $\pm$ S.E.M.)	55.21 $\pm$ 8.05	109.96 $\pm$ 7.81	17.17 $\pm$ 1.37	18.88 $\pm$ 1.02
	Activated cells count (mean $\pm$ S.E.M.)	5.21 $\pm$ 0.37	10 $\pm$ 0.88	4.25 $\pm$ 0.39	6.08 $\pm$ 0.45
<i>DNBS (n = 40)</i>	Total cells count (mean $\pm$ S.E.M.)	78.78 $\pm$ 5.36	138.09 $\pm$ 6.65	17.52 $\pm$ 0.66	25.17 $\pm$ 0.68
	Resting cells count (mean $\pm$ S.E.M.)	57.85 $\pm$ 5.58	119.82 $\pm$ 5.87	5.77 $\pm$ 0.61	15.32 $\pm$ 0.74
	Activated cells count (mean $\pm$ S.E.M.)	20.93 $\pm$ 1.23	18.27 $\pm$ 1.86	11.75 $\pm$ 0.71	9.85 $\pm$ 0.63