

Table S1. Qualitative analysis of LDH histochemistry as in Figure 2E.

	High Positive	Positive	Low Positive	Negative	Overall Rating
Group	+++ (%)	++ (%)	+ (%)	- (%)	
CON	0.1032	9.3041	34.4133	56.1794	Low Positive
ONC	10.963	65.097	23.58	0.045	Positive

Quantitative analysis was conducted with ImageJ IHC Profiler. Histochemical staining of LDH in optic nerves was automatically categorized as high positive/positive/low positive/negative and then counted and rated overall by the software. LDH, lactate dehydrogenase; CON, control; ONC, optic nerve crush.

Table S2. Qualitative analysis of LDH histochemistry as in Figure 7C.

	High Positive	Positive	Low Positive	Negative	Overall Rating
Group	+++ (%)	++ (%)	+ (%)	- (%)	
ONC	13.05	58.58	27.41	0.96	Positive
ONC/Meclizine	72.47	23.87	3.11	0.55	High Positive
CON	0.14	14.01	35.68	50.27	Low Positive
Meclizine	34.20	31.65	33.14	1.00	Positive

ONC, optic nerve crush; ONC/Meclizine, optic nerve crush with Meclizine pretreatment; CON, control; Meclizine, with Meclizine treatment.