**Figure S1.** Effect of rotenone (1μM and 10μM) on rat retinal explants culture cells’ neuronal markers. (A) Western blot analysis after 24hrs of rotenone (10μM, 20μM and 50μM). (B) Quantification of the immunoblotting data normalized for the β-actin levels in each sample and expressed as the ratio compared to control cell cultures. *p < 0.05, **p < 0.01 compared to control cultures. The results shown represent the mean±SD of three independent experiments.
Figure S2. Neuroprotection effect of different concentration of glucose (5mM, 10mM and 25mM) on rat retinal explant culture. (A) Western Blotting analysis of 24hr treatment of glucose on rat retinal explants culture in the presence of 20µM rotenone. (B) Quantification of the immunoblotting data normalized for the β-actin levels in each sample and expressed as the ratio compared to control cell cultures. *p < 0.05, **p < 0.01 compared to control cultures. †p < 0.05, ††p < 0.01 compared to rotenone treated group. The results shown represent the mean±SD of three independent experiments.
Figure S3. Western immunoblot analysis of changes in autophagy marker LC-3 in rat retinal explants culture after treatment as indicated. The conversion of LC3-I to LC3-II is indicative of autophagic activity. 1: 5mM Glu for 24 hours; 2: no glucose for 24 hr. The results shown represent the mean±SD of three independent experiments.