

Abbreviations

ABC : avidin-biotin complex
Ach : acetylcholine
AMPA : α -amino-3-hydroxy-5-methylisoxazole-4-propionic acid
4-AP : 4-aminopyridine
DL-AP7 : DL-2-amino-7-phosphonoheptanoic acid
bicuculline : (-)-bicuculline methobromide
CNQX : 6-cyano-7-nitroquinoxaline-2,3-dione
CNS : central nervous system
Cx : connexin
DAB : 3,3'-diaminobenzidine-tetrahydrochloride
DMSO : dimethyl sulfoxide
EGTA : ethylene glycol-bis (2-aminoethyl)-N,N,N',N'-tetraacetic acid
18 β -GA : 18 β -glycyrrhetic acid
GABA : γ -aminobutyric acid
GCL : ganglion cell layer
Gly : glycine
HEPES : N-2-hydroxyethyl-piperazine-N'-2-ethanesulfonic acid
I_{inst} : instantaneous current
INL : inner nuclear layer
IPL : inner plexiform layer
I_{ss} : steady state current
LY : Lucifer Yellow CH
NMDA : N-methyl-D-aspartic acid
NMDG : N-methyl-D-glucamine
ONL : outer nuclear layer
OPL : outer plexiform layer

PB : phosphate buffer

PBS : phosphate-buffered saline

PCL : pigment cell layer

RCL : receptor cell layer

RT : room temperature

RPE : retinal pigmented epithelium

SE : standard error

TEA-Cl : tetraethylammonium chloride