

Nav1.1 Cell Line Data Sheet

Channel	Nav1.1
Gene	SCN1A
Sources	human
Catalog Ref.	ICE-CHO-Nav1.1 + $\beta 1$
Expression system	CHO
Method	whole cell patch clamp
Standard time	1-2 weeks (<10cpds)
Reference inhibitor	TTX (5.6nM $\pm$ 0.8nM)
Distribution	CNS and cardiac myocytes
Related diseases	Pain, Epilepsy, Anxiety, Depression Related, Degenerative Diseases, Dravet syndrome, West syndrome, familial autism

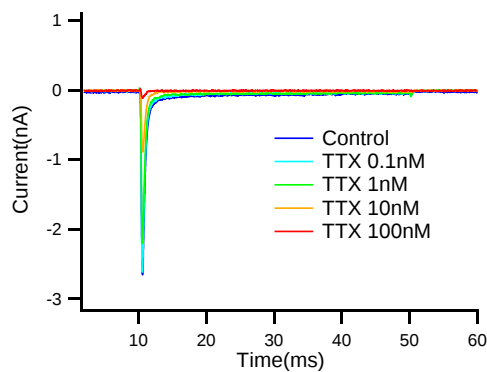


Figure 1. Representative traces of Nav1.1 currents, in the absence or presence of TTX different concentrations

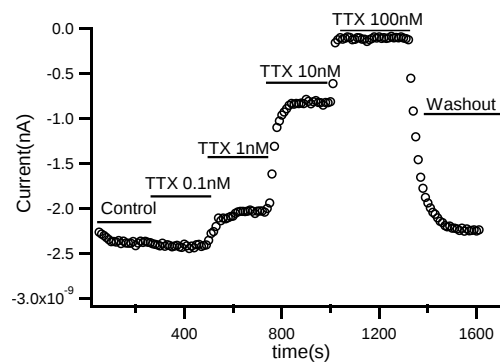


Figure 2. Time course of Nav1.1 inhibition by TTX

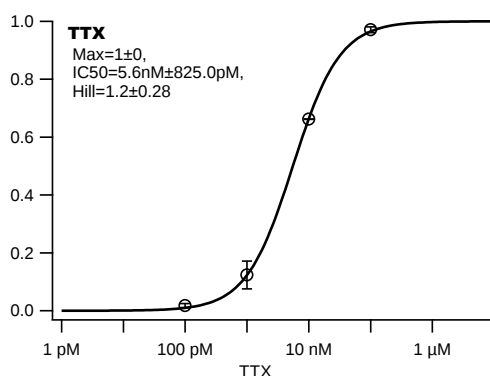


Figure3. Concentration-dependent effects of TTX on $I_{Nav1.1}$

Further validation data available on request.