

Supplemental File

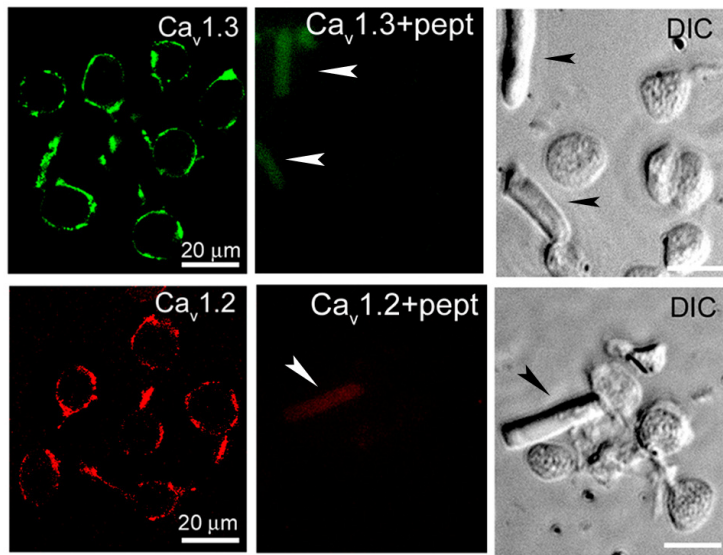


Fig.1

Fig.1. Confocal immunofluorescence images of salamander retinal neurons labeled for Cav1.3 (green) or Cav1.2 (red). For negative controls, the primary antibodies were either omitted from the procedure or were pre-absorbed with the appropriate peptides. Nonspecific staining of photoreceptor outer segments is marked by arrowheads in preabsorbing fluorescence and corresponding DIC image.

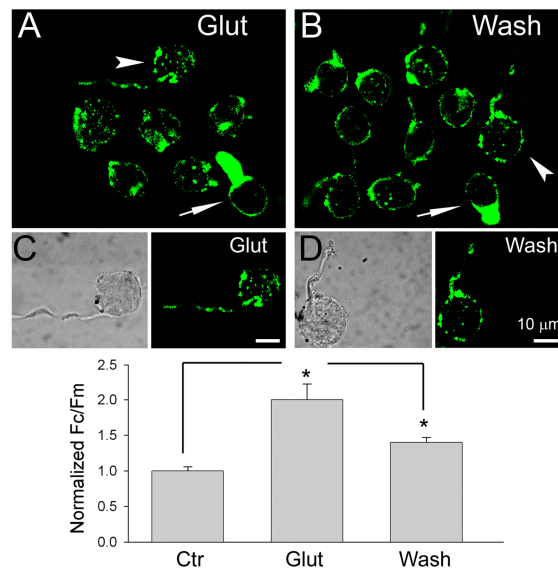


Fig.2

Fig.2. Subcellular distribution of Cav1.3 was determined by fixing and labeling dissociated cells either following 5 min application of glutamate (A), or after 20-30 min washing glutamate from Ringer solution (B). Representative cells selected from 3 different experiments are mounted in panels A and B. Fluorescence and corresponding DIC images of third-order retinal neurons (marked by arrowheads) are presented (C, D). Glutamate had no effect on subcellular distribution of Cav1.3 in photoreceptors (arrows). Non-specific staining of outer segments is characteristic for salamander photoreceptors.

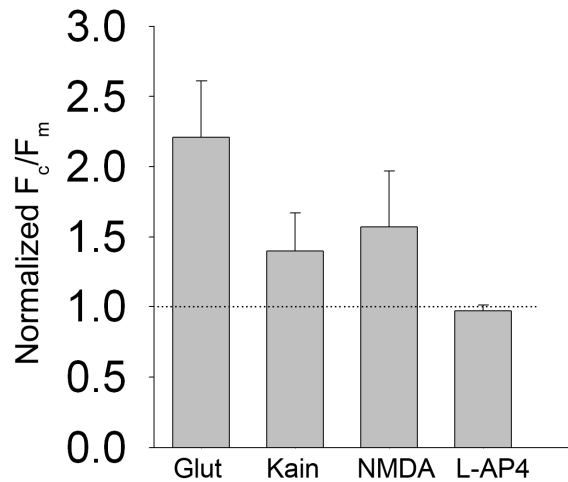


Fig.3

Fig.3 Activation of group III metabotropic receptors by L-AP4 failed to induce detectable internalization of $Ca_v1.3$ channels.