Figure 1 Horigane et al.

A. Schematic diagram showing the experimental timeline:
- E14.5: In utero EP
- TagRFP labeling
- E17.5: slice preparation
- Fluo-4 AM incubation
- Live imaging

B. Fluorescence images showing fluorescence signals over time:
- CP
- IZ
- Merge

C. Graphs showing changes in fluorescence signals over time:
- 1. Before
- 2. Peak
- 3. After
- CP
- IZ

D. TagRFP/Fluo-4 images:
- CP
- IZ
- Wnt5a
Figure 2 Horigane et al.

A

Vehicle | Wnt5a

B

Axon

Total length (μm)

**

Branch tip number

n.s.

Longest axon (μm)

**

Dendrite

Total length (μm)

n.s.

Branch tip number

n.s.

Longest dendrite (μm)

n.s.
Figure 3 Horigane et al.
Figure 4 Horigane et al.

A

Axon

Dendrite

Total length (µm)

Wnt5a

- + - +

shNega shCaMKIα

n.s.

B

Total length (µm)

shNega +Mock shCaMKIα +Mock shCaMKIα +WT

Wnt5a

*** ***
Supplemental Figure 1 Horigane et al.

Cell #1

Cell #2

ΔF/F₀
40%

200s

Brightness: Low
High

△ Wnt5a

△ Wnt5a

Wnt5a

Cell #1

Cell #2