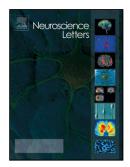
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### ACCEPTED MANUSCRIPT

Research article

# Expression of the GluA2 subunit of glutamate receptors is required for the normal dendritic differentiation of cerebellar Purkinje cells

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### Highlights

- Dendritic differentiation was inhibited by GluA2 knockdown in Purkinje cells.
- $[Ca^{2+}]_i$  elevation was augmented by GluA2 knockdown in Purkinje cells.
- GluA2 inhibits the negative effect of excessive  $[Ca^{2+}]_i$  elevation in Purkinje cells.

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