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## Data Article

## Data supporting the role of Fyn in embryonic sciatic nerve fasciculation



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## ABSTRACT

Fyn is the cytoplasmic tyrosine kinase that has critical roles in many aspects of biological functions. In the central [1] and peripheral nervous systems [2,3], Fyn plays the key role in initiating myelination by myelin-forming glial cells (Schwann cells and oligodendrocytes). Herein we provide the data regarding the role of Fyn in fasciculation and branching of embryonic peripheral nerves.

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## Specifications Table

Subject area	Biology
More specific subject area	Neurobiology, molecular and cellular neuroscience

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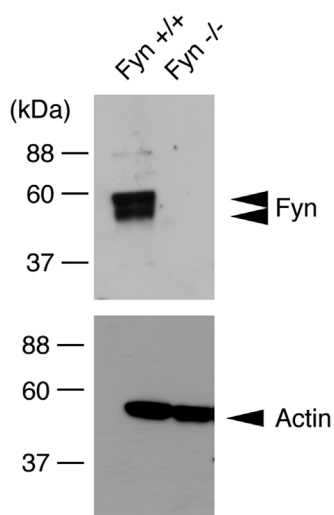
Type of data	Figure
How data was acquired	Immunohistochemistry, immunocytochemistry, immunoblotting,
Data format	Raw data, analyzed data
Experimental factors	Fyn knockout mice were used for experiments.
Experimental features	Histochemical analysis, immunoblotting analysis
Data source location	Laboratory of Molecular Neuroscience and Neurology, Department of Life Sciences, Tokyo University of Pharmacy and Life Sciences, Tokyo, Japan
Data accessibility	Data is available with this article

### Value of the data

- This data set is of value to the scientific community to need the information for the biological effect of a cytoplasmic tyrosine kinase.
- The data provide the valuable information for the role of a cytoplasmic tyrosine kinase in developing nervous systems.
- The data allow us to promote our understanding of how a cytoplasmic tyrosine kinase plays the role in the peripheral nervous system.

### 1. Data

The data shared in this article provide immunohistochemical analyses of embryonic sciatic nerves (peripheral nerves) of Fyn knockout mice. The data also provide immunocytochemical analyses of Fyn knockout mouse peripheral neurons.



**Fig. 1.** Immunoblotting of Fyn proteins using tissue lysates from Fyn knockout mice and the controls. The lysates from Fyn knockout mouse (Fyn<sup>-/-</sup>) and the control (Fyn<sup>+/+</sup>) sciatic nerves were used for immunoblotting with antibodies against Fyn and control actin. Fyn's double protein bands are predicted to be alternative splicing variants or degradation products.

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