

Camk2a-IRES-Cre(SD)

Gene Summary

Model Description

A IRES-iCre expression cassette was knocked into the Camk2a gene stop codon site.

Research Application: Cre recombinase tool

*Literature published using this strain should indicate: Camk2a-IRES-Cre(SD) rats (Cat. NO. NR-KI-190004) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

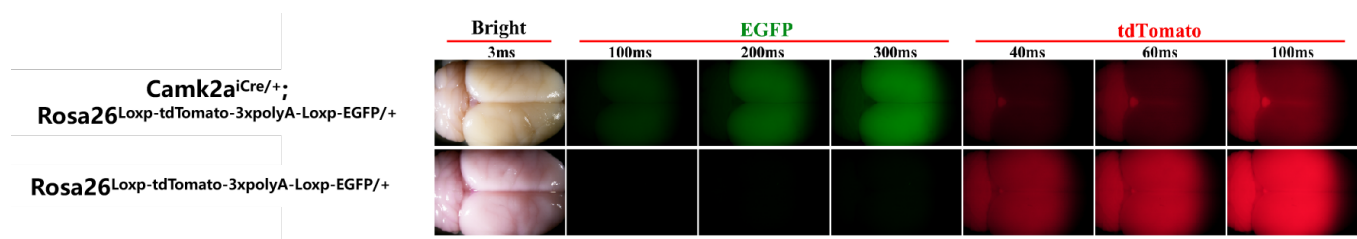


Figure 1: Detection of EGFP (green) and tdTomato (red) in the brains of Rats.

Expression of tdTomato was observed in the brain of Rosa26^{Loxp-tdTomato-3xpolyA-Loxp-EGFP/+} rat. Cre-mediated recombination was detected in the brain of Camk2a^{iCre/+}; Rosa26^{Loxp-tdTomato-3xpolyA-Loxp-EGFP/+} rat.

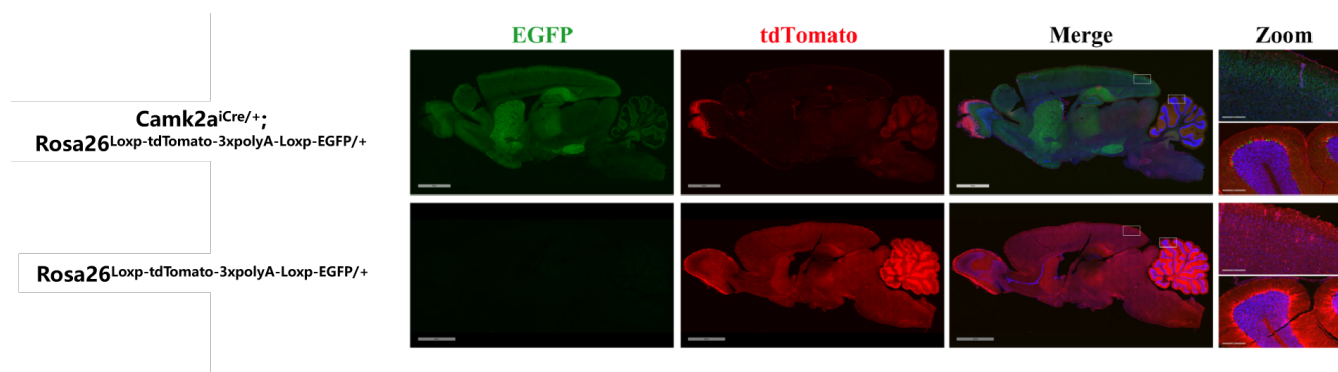


Figure 2: Detection of EGFP (green) and tdTomato (red) in brain cells of Rats.