

**Isosteviol Sodium Protects against Ischemic Stroke by
Modulating Microglia/Macrophage Polarization via Disruption of
GAS5/miR-146a-5p sponge**

Hao Zhang, Minyi Lu, Xiaofeng Zhang, Yihe Kuai, Ying Mei, Qiwen Tan, Kailun Zhong, Xiaoou Sun*, and Wen Tan*

Institute of Biomedical and Pharmaceutical Sciences, Guangdong University of Technology, Guangzhou, China

* Corresponding author: Xiaoou Sun, Ph.D. Wen Tan, MD., Ph.D.

Xiaoou Sun, Institute of Biomedical and Pharmaceutical sciences, Guangdong University of Technology, Guangzhou 510006, China. xiaousun@gdut.edu.cn, Tel: 13539850005

Wen Tan, Institute of Biomedical and Pharmaceutical sciences, Guangdong University of Technology, Guangzhou 510006, China. went@gdut.edu.cn, Tel: 13928954505

Supporting Information 1. Western blotting results.

- 1) This file contains the original blot images of all the samples.
- 2) Guarantee 3 independent repeated experiments for every case.
- 3) The framed areas were used in the main text.

Figure 5E

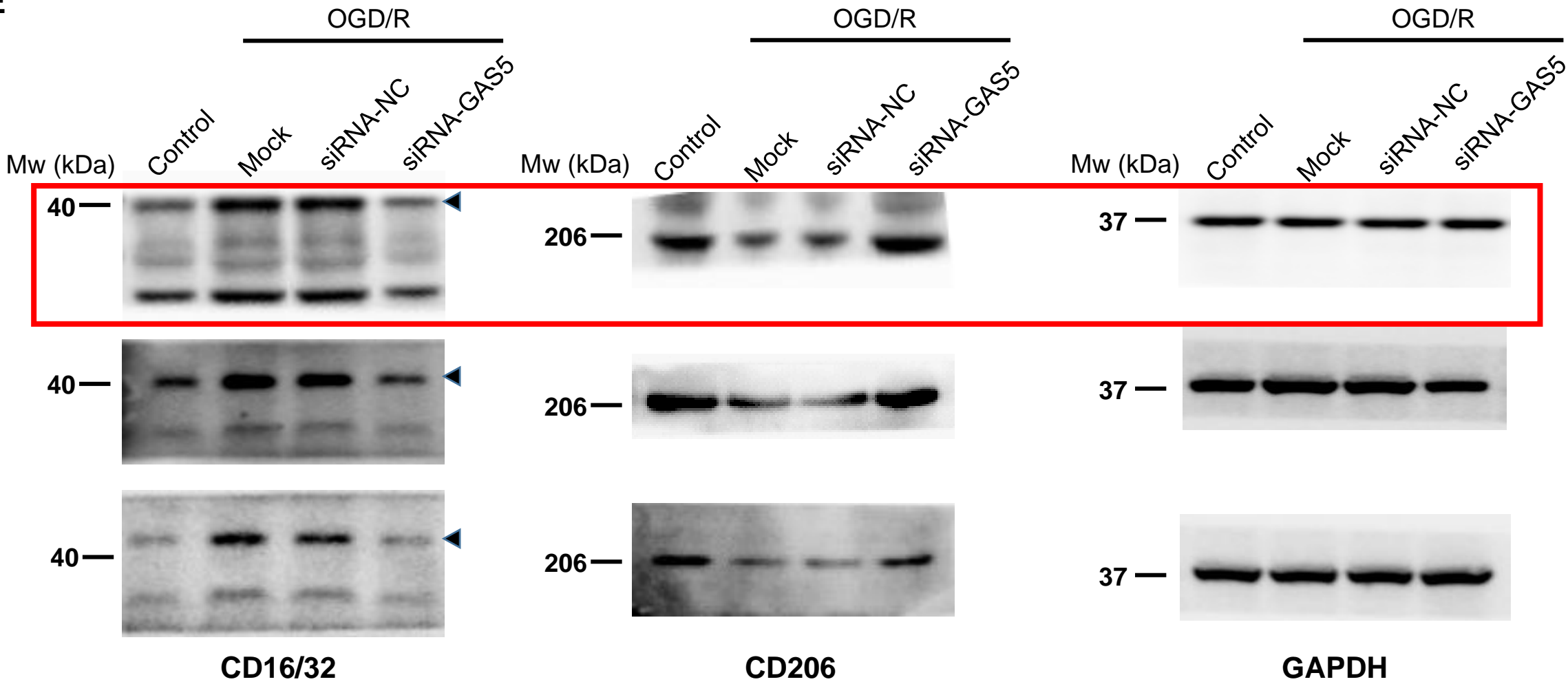


Figure 5F

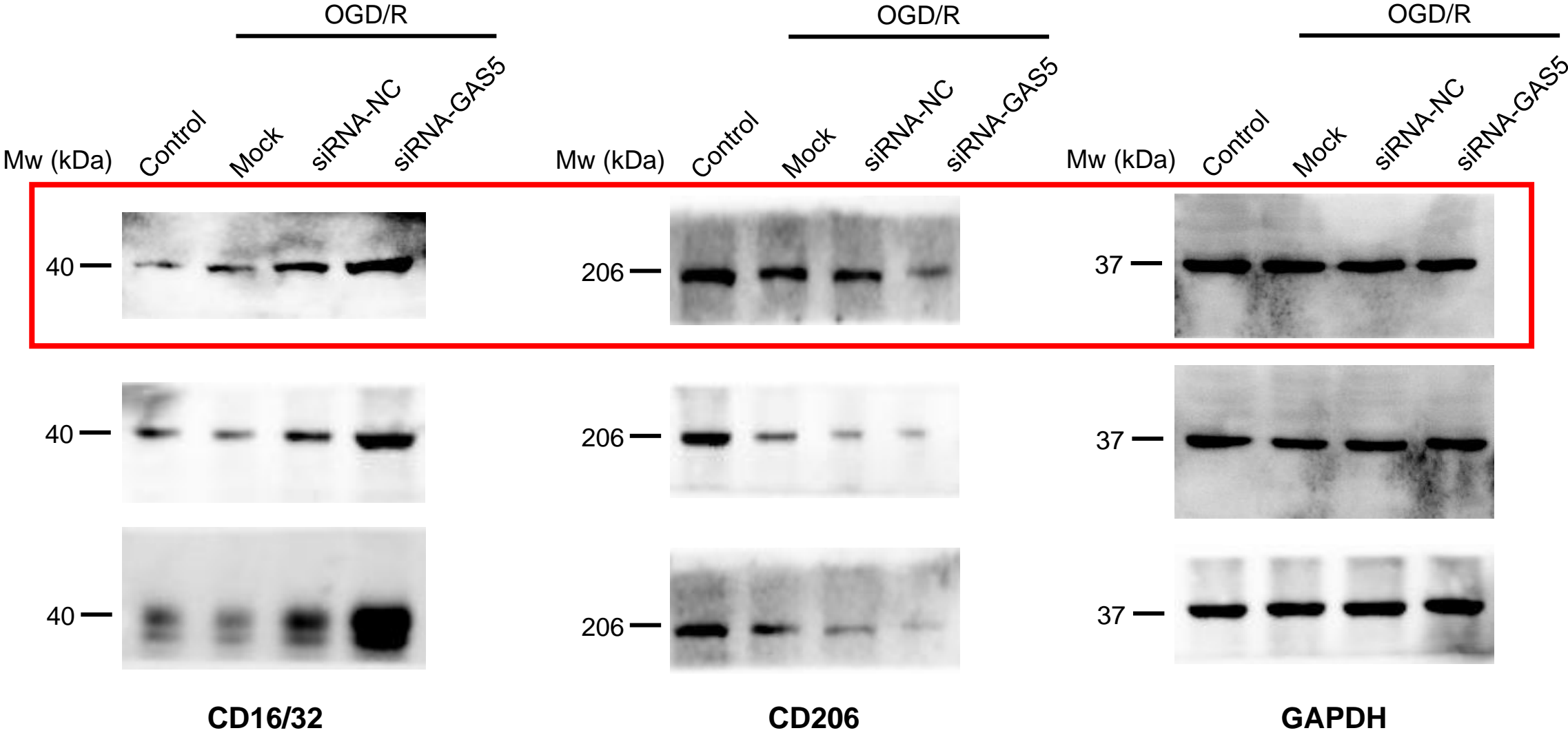
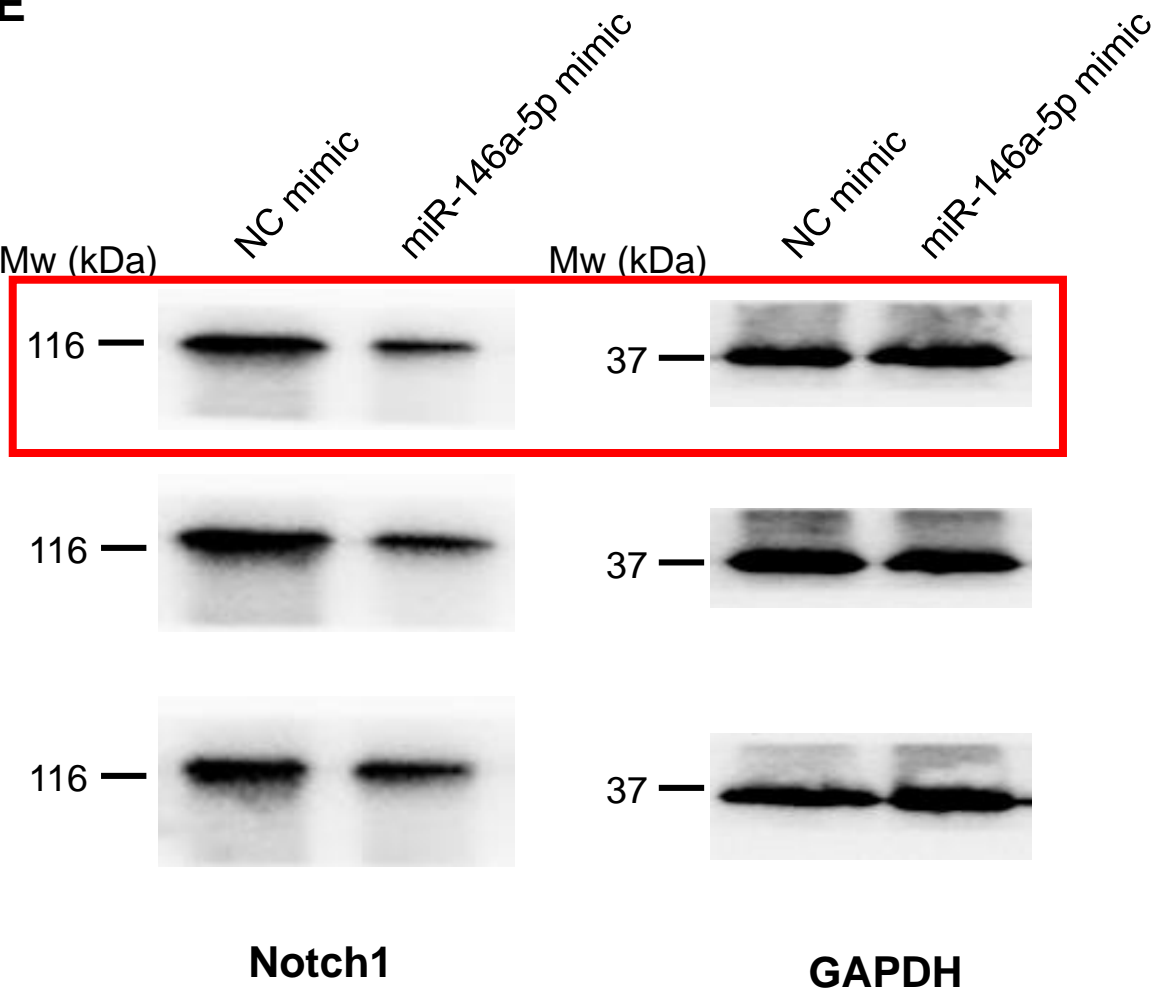


Figure 7E

E



G

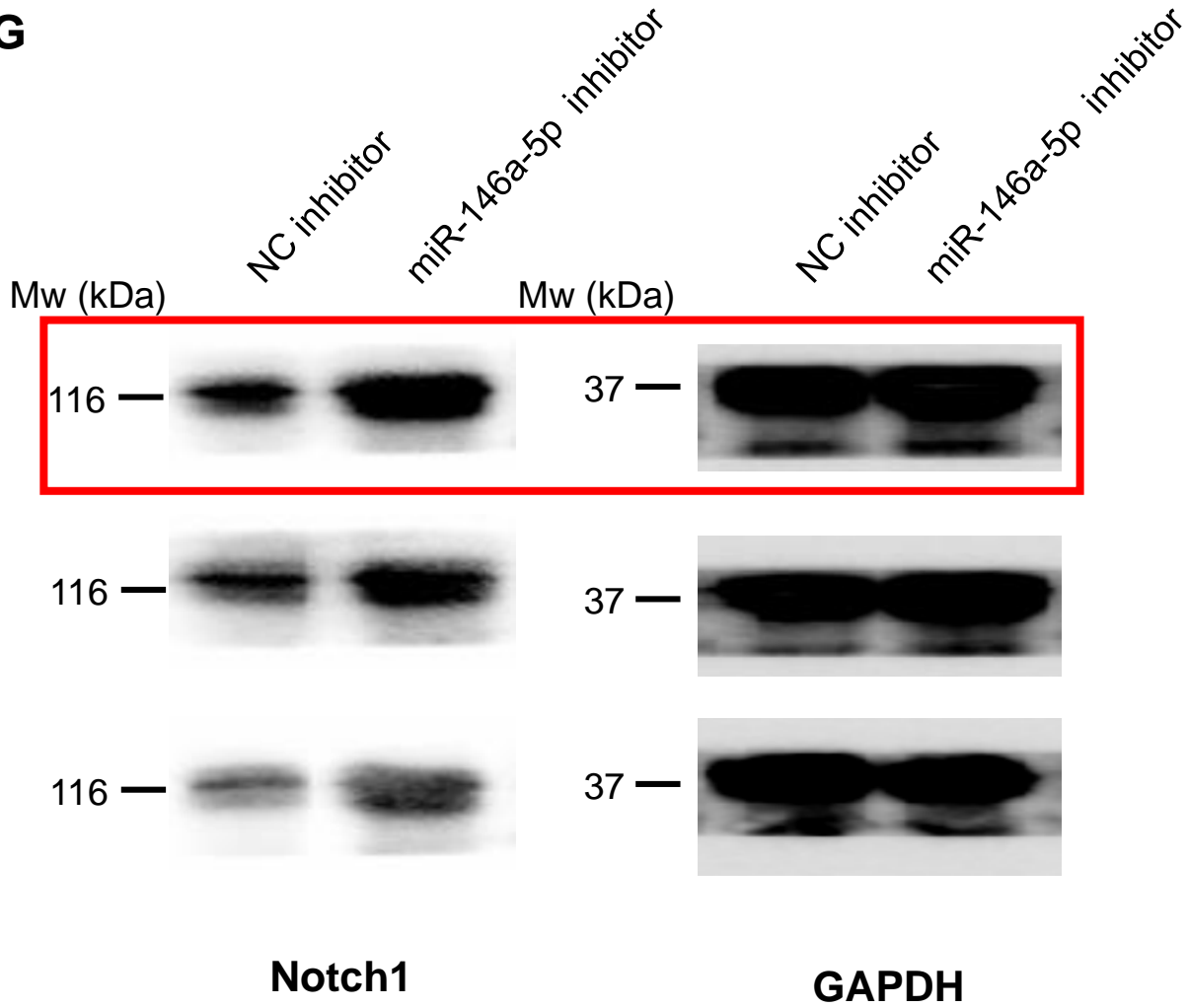
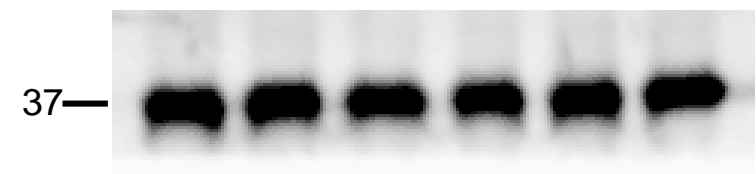
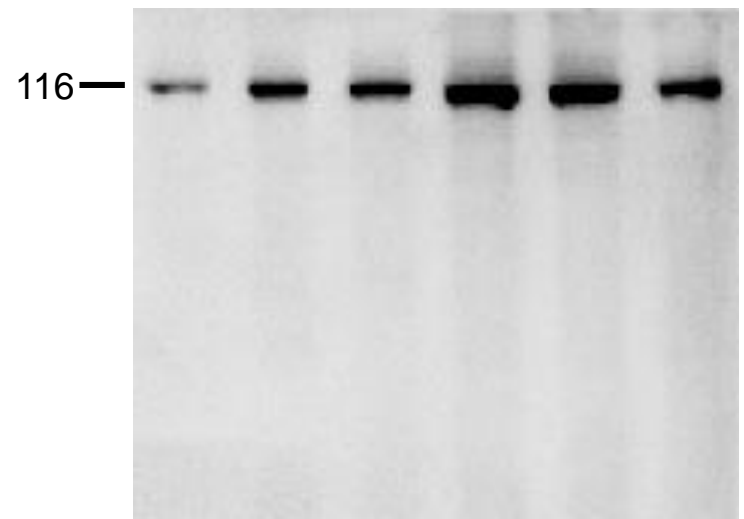
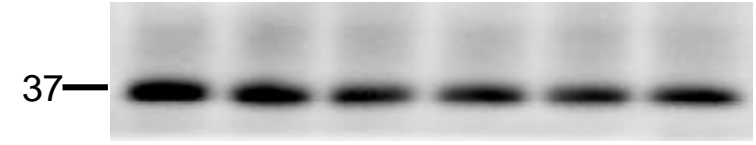
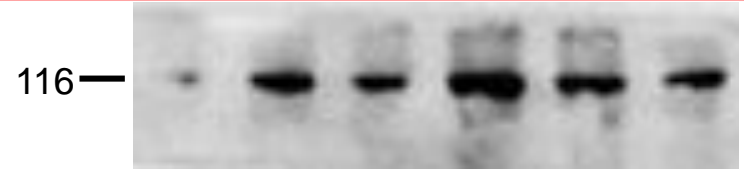


Figure 8C

Control	+	-	-	-	-	-
OGD/R	-	+	+	+	+	+
pcDNA3.1-NC	-	-	+	-	-	-
pcDNA3.1-GAS5	-	-	-	+	+	+
NC mimic	-	-	-	-	+	-
miR-146a-5p mimic	-	-	-	-	-	+

Control	+	-	-	-	-	-
OGD/R	-	+	+	+	+	+
pcDNA3.1-NC	-	-	+	-	-	-
pcDNA3.1-GAS5	-	-	-	+	+	+
NC mimic	-	-	-	-	+	-
miR-146a-5p mimic	-	-	-	-	-	+



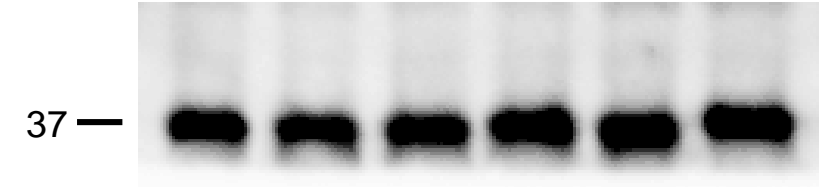
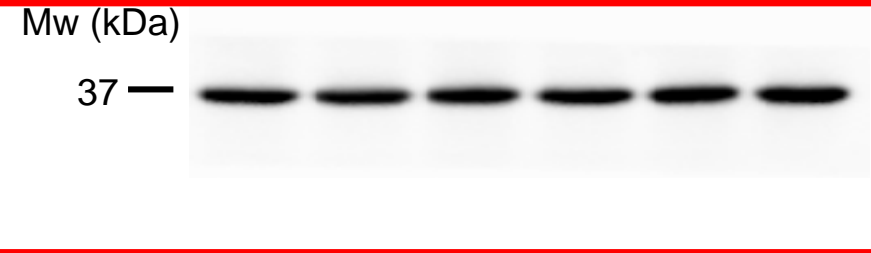
Notch1

GAPDH

Figure 8E

Control	+	-	-	-	-	-
OGD/R	-	+	+	+	+	+
siRNA-NC	-	-	+	-	-	-
siRNA-GAS5	-	-	-	+	+	+
NC inhibitor	-	-	-	-	+	-
miR-146a-5p inhibitor	-	-	-	-	-	+

Control	+	-	-	-	-	-
OGD/R	-	+	+	+	+	+
siRNA-NC	-	-	+	-	-	-
siRNA-GAS5	-	-	-	+	+	+
NC inhibitor	-	-	-	-	+	-
miR-146a-5p inhibitor	-	-	-	-	-	+



Notch1

GAPDH

Figure 10

