

*School of Natural Sciences and Mathematics
School of Behavioral and Brain Sciences*

***Inhibition of Poly(A)-Binding Protein with a Synthetic RNA
Mimic Reduces Pain Sensitization in Mice—Supplement***

UT Dallas Author(s):

Paulino Barragan-Iglesias
Tzu-Fang Lou
Vandita D. Bhat
Salim Megat
Michael D. Burton
Theodore J. Price
Zachary T. Campbell

Rights:

CC BY 4.0 (Attribution)
©2016

Citation:

Barragan-Iglesias, Paulino, Tzu-Fang Lou, Vandita D. Bhat, Salim Megat, et al. 2018. "Inhibition of Poly(A)-binding protein with a synthetic RNA mimic reduces pain sensitization in mice." *Nature Communications* 9(1), doi:10.1038/s41467-017-02449-5

This document is being made freely available by the Eugene McDermott Library of the University of Texas at Dallas with permission of the copyright owner. All rights are reserved under United States copyright law unless specified otherwise.

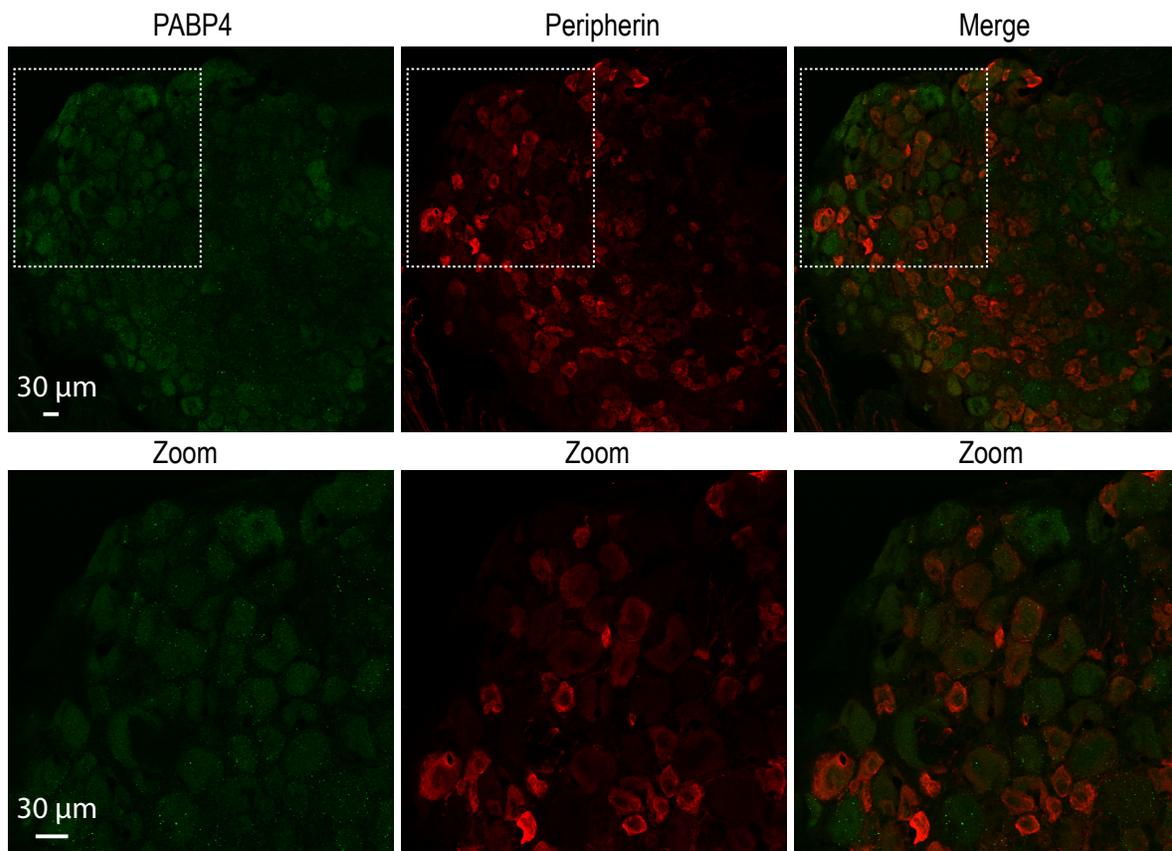
a

PABP expression in the DRG

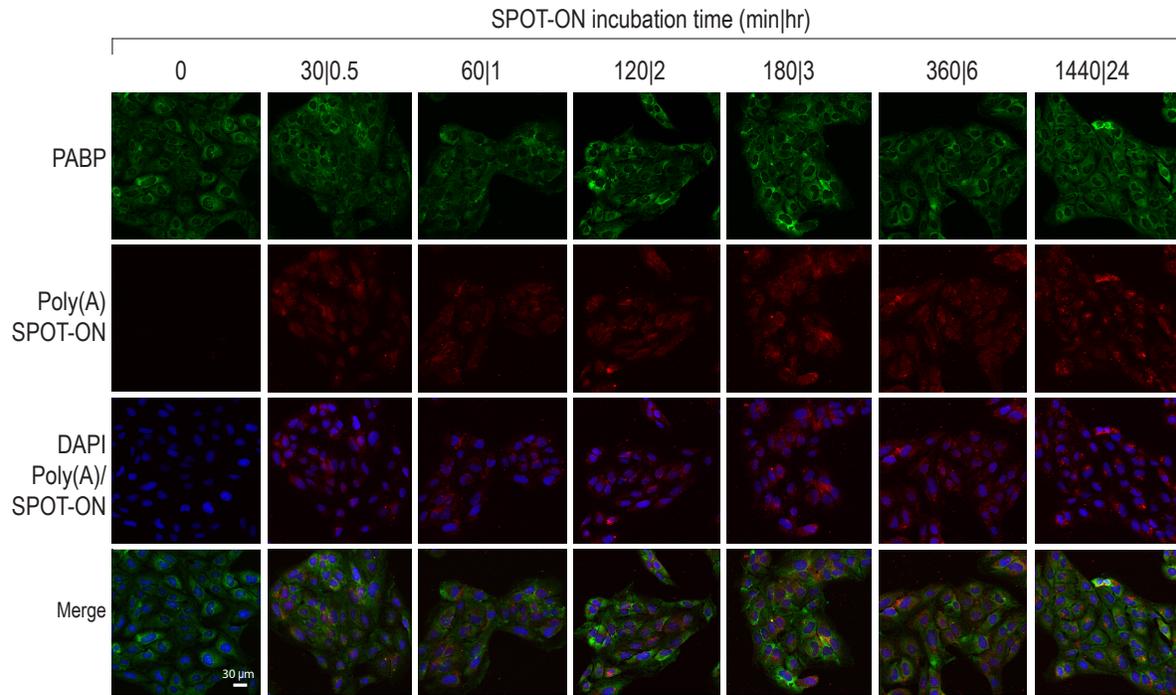
| Species | Gene | FPKM ¹ |
|---------|-------|-------------------|
| Human | PAPC1 | 124 |
| Human | PAPC4 | 29 |
| Human | PAPC3 | 0.03 |
| Mouse | PAPC1 | 20 |
| Mouse | PAPC4 | 3.5 |
| Mouse | PAPC3 | 0.01 |

¹Fragments per kilobase mapped (FPKM) normalized to the expression level of the upper quartile

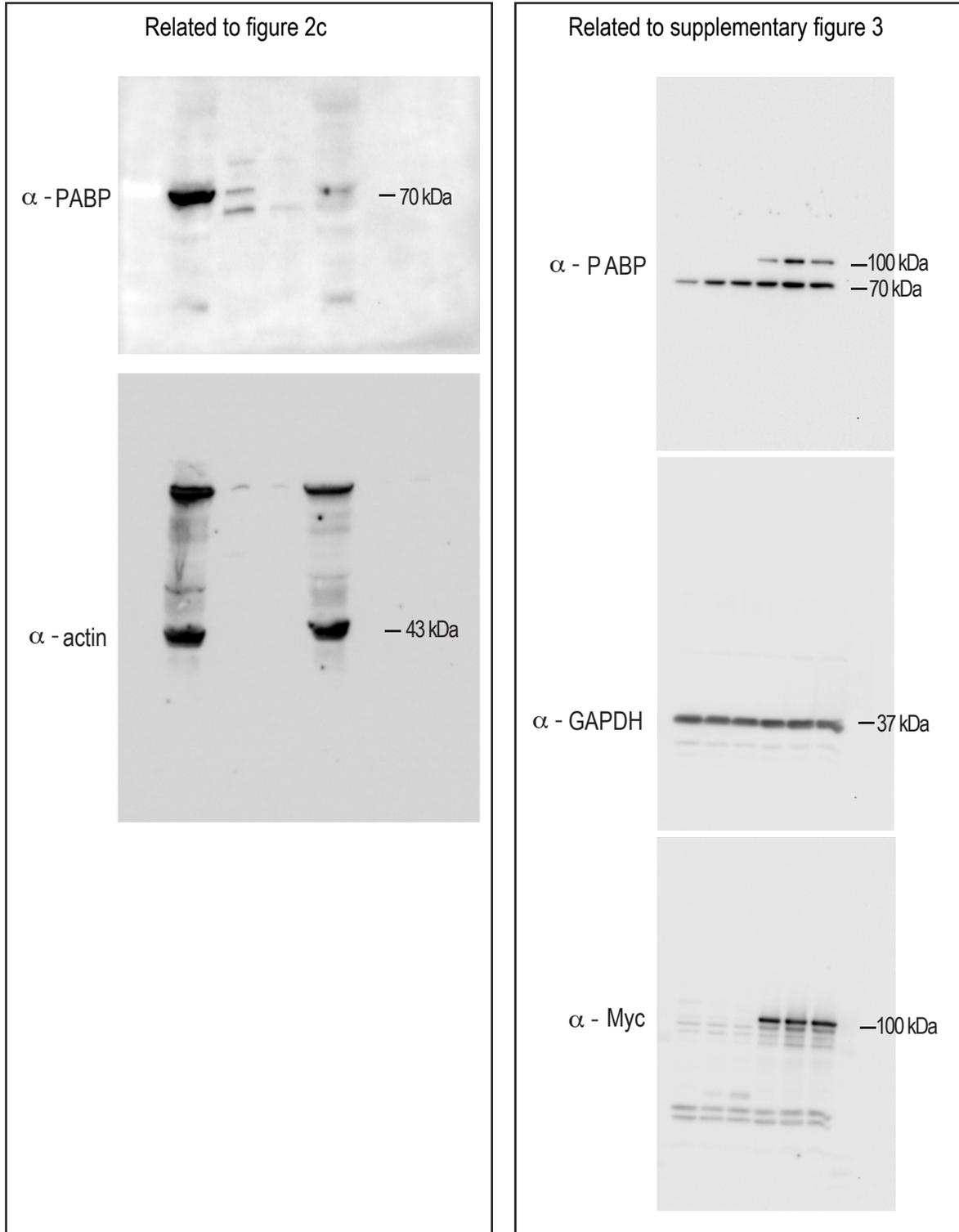
b



Supplementary figure 1. Expression and immunoreactivity of PABP4 in the DRG. (a) Expression of PABP isoforms in DRG of mouse and humans based on high-throughput sequencing. (b) PABP4, the second most abundant isoform in the DRG, fails to show a clear immunoreactivity in the DRG.



Supplementary figure 2. Time course showing the cellular uptake of SPOT-ONs. Cy-3 labeled Poly(A) SPOT-ONs are stable, efficiently taken up and distributed throughout the U2OS cells. Time course of quantification is shown in figure 2g.



Supplementary figure 4. Full blots related to figure 2c and supplementary figure 3.