

# Targeting Talk: Product Questions

by Dr. Douglas Lappi

**Q:** We're interested in trying out your melanopsin antibody (Cat. #AB-N38) using immunohistochemistry in mouse retina. Do you have a recommended protocol?

**A:** Yes. The following protocol has been utilized successfully with anti-melanopsin.<sup>1</sup> This protocol is also available on our website. Just click on "Protocols" on our Home Page. [www.ATSBio.com](http://www.ATSBio.com)

<sup>1</sup>Panda S. *et al.* 2002. Melanopsin (Opn4) requirement for normal light- induced circadian phase shifting. *Science* 298(5601):2213-2216.

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### **Immunohistochemistry Protocol (AB-N38)**

#### **Primary Antibody**

**\*\*200 µl/slide\*\***

- Xylene 2X 5 min
- 100% EtOH 2X 5 min
- 95% EtOH 2X 5 min

- 70% EtOH 5 min

- PBS 10 min

**\*\*PFA Only Starts\*\***

- Citric acid 2 min in microwave

- Cool 5-20 min room temperature

- PBS 5 min

**\*\*PFA Only Ends\*\***

- Block with 5% serum/PBS 1 hr in humidified chamber

- Primary ab in blocking solution overnight @ 4°C in humidified chamber

#### **Secondary Antibody**

**\*\*Keep dark at all times\*\***

**\*\*Use different wavelengths for multiple labeling\*\***

- PBS 10 min

- Secondary ab 1:200 in PBS according to species 1 hr

- PBS 10 min

- DAPI 1:200 in PBS 30 sec

- PBS 10 min

- Vectashield

La Jolla Drug Development Day  
July 22, 2009  
La Jolla, CA



## Upcoming Events

Society for Neuroscience  
October 17-21  
Chicago, IL  
Booth #619

## Targeting Teaser Winners

**The solution to the puzzle was:**

Jumbles: KINASE  
DISRUPT  
LABELING  
REGULATE  
ACTIVATION



Answer: It was his best . . .SPRING BREAK



Congratulations to the puzzle solvers from our last newsletter. Each winner receives \$100 credit towards research product purchases from Advanced Targeting Systems.

WINNERS: Maria Montero, Inst of Medical Biology, Odense, Denmark \* April Price, UCSF, San Francisco, CA \* Lina Adwan, Univ Rhode Island, Kingston, RI \* Marie Piechocki, Wayne State Univ, Detroit, MI \* Samuel Lasse, UCSD, La Jolla, CA \* Seto Chice, SUNY-HSC, Brooklyn, NY \* Bob Speth, Univ Missouri, University, MS \* Glenn Kageyama, Cal State Polytechnic Univ, Pomona, CA \* Ai Nagahara, UCSD, La Jolla, CA \* Kerry

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1-5 mg; turnaround 5-10 days

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1-65 different cell lines

Contact us for a Quote: [ats@ATSBio.com](mailto:ats@ATSBio.com)

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