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| <b>Catalog Number:</b>     | RA20002  | <b>Host:</b>       | Rabbit   |
| <b>Product Type:</b>       | Whole Serum  | <b>Species:</b>    | Rat  |
| <b>Immunogen Sequence:</b> | FMRFamide  | <b>Reactivity:</b> | Whole Serum (with 0.05% sodium azide) Sent in liquid form. |
| <b>Applications:</b>       | <b>Immunohistochemistry:</b> 1:200-1:1,000   |                    |  |
|                            | Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.   |                    |  |
| <b>Storage:</b>            | Store frozen. Aliquot as undiluted serum and immediately place at -20°C. Serum may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.   |                    |  |
| <b>References:</b>         | <a href="#">Suguru Kobayashi, Mariko Hattori, Károly Elekes, Etsuro Ito, Ryota Matsuo. FMRFamide regulates oscillatory activity of the olfactory center in the slug.</a> DOI: 10.1111/j.1460-9568.2010.07399.x.<br><br><a href="#">Florent G. Revel, Michel Saboureau, Paul Pévet, Valérie Simonneaux and Jens D. Mikkelsen. RFamide-Related Peptide Gene Is a Melatonin-Driven Photoperiodic Gene.</a> Endocrinology, doi:10.1210/en.2007-0848. |                    |  |

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### Application Notes

#### Immunohistochemistry:

Antiserum was used on perfusion fixed tissue. Perfusion: 1) calcium-free Tyrode's solution, 2) paraformaldehyde-picric acid fixative, and 3) 10% sucrose in PBS as a cryo-protectant. Desired tissues were dissected and stored overnight in 10% sucrose in PBS.

Slide-mounted tissue sections were processed for indirect immunofluorescence. Slides were incubated with blocking buffer for 1 hour at room temperature. Primary antiserum was diluted with blocking buffer to the appropriate working concentration. Blocking buffer was removed and slides were incubated for 18-24 hours at 4°C with primary antiserum. Slides were rinsed 3 times and then incubated with secondary antibodies for 1 hour at room temperature. Slides were again rinsed 3 times and coverslipped. Staining was examined using fluorescence microscopy.

### FOR RESEARCH USE ONLY

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