

**FUJIFILM**

**Wako**

Code No. 017-28571 (50  $\mu$ L)

## Anti Oxytocin, Guinea Pig 抗オキシトシン, モルモット

### **[Background]**

Oxytocin is a 9-amino acid peptide hormone produced in the paraventricular hypothalamic nucleus and released from the posterior pituitary gland<sup>1)</sup>. Oxytocin promotes uterine contraction and breast milk secretion, as well as being involved in stress relief and the activation of maternal behavior, so it is often referred to as the happiness hormone or the love hormone<sup>2)</sup>. Anti Oxytocin, Guinea Pig is a guinea pig polyclonal antibody that reacts with Oxytocin<sup>3)</sup>.

### **[Description]**

#### **[Reactivity]**

Reacts with oxytocin

#### **[Antigen]**

KLH conjugated synthetic peptide corresponding to the oxytocin (CYIQNCPLG-NH<sub>2</sub> (Disulfide bridge : C1-C6))

#### **[Species cross reactivity]**

Human, mouse, rat and bovine  
(Other species have not been tested)

#### **[Host]**

Guinea pig

#### **[Isotype]**

– (Polyclonal)

#### **[Formulation]**

Antiserum diluted in PBS

### **[Application]**

Immunohistochemistry (frozen section) 1 : 1,500  
Optimal concentration should be determined by each laboratory for each application.

### **[Storage]**

Store at -20°C.  
Avoid repeated freeze and thaw.

### **[Package]**

50  $\mu$ L

### **[References]**

- 1) Murphy, D., Konopacka, A., Hindmarch, C., Paton, J.F., Sweedler, J.V., Gillette, M.U., Ueta, Y., Grinevich, V., Lozic, M., Japundzic-Zigon, N. : *J. Neuroendocrinol.* **24**, 539 (2012).
- 2) Wang, P., Wang, S.C., Liu, X., Jia, S., Wang, X., Li, T., Yu, J., Parpura, V. and Wang, Y.F. : *ASN Neuro.* **14**, 1 (2022).
- 3) Miyata, S. : *Front. Endocrinol.*, **8**, 275 (2017).

## FUJIFILM Wako Pure Chemical Corporation

1-2, Doshomachi 3-Chome, Chuo-Ku, Osaka 540-8605, Japan  
Telephone : + 81-6-6203-3741  
Facsimile : + 81-6-6201-5964  
<http://fwk.fujifilm.co.jp>

### FUJIFILM Wako Chemicals U.S.A. Corporation

1600 Bellwood Road  
Richmond, VA 23237  
U.S.A.  
Telephone : + 1-804-271-7677  
Facsimile : + 1-804-271-7791  
<http://www.wakousa.com>

### FUJIFILM Wako Chemicals Europe GmbH

Fuggenstrasse 12  
D-41468 Neuss  
Germany  
Telephone : + 49-2131-3111-0  
Facsimile : + 49-2131-3111100  
<http://www.wako-chemicals.de>