

FUJIFILM

Wako

Code No. 010-28561 (50  $\mu$ L)

## Anti Parvalbumin, Guinea Pig 抗パルブアルブミン, モルモット

### [Background]

Parvalbumin (PV) is a small calcium-binding protein with about 12 kDa involved in calcium signaling and plays a key role in second messenger systems and signal transduction in tissues such as skeletal muscle and brain<sup>1)</sup>. PV is present in GABAergic interneurons and is expressed in multiple brain regions, including chandelier and basket cells in the cortex and Purkinje cells in the cerebellum<sup>2,4)</sup>. As such, PV is widely used as a marker for general inhibitory neurons. Anti Parvalbumin, Guinea Pig is a guinea pig polyclonal antibody that reacts with PV<sup>5)</sup>.

### [Description]

[Reactivity]	Reacts with parvalbumin
[Antigen]	Recombinant rat parvalbumin
[Species cross reactivity]	Mouse and rat (Other species have not been tested)
[Host]	Guinea pig
[Isotype]	- (Polyclonal)
[Formulation]	Antiserum

### [Application]

Immunohistochemistry (frozen section) 1 : 1,000~3,200  
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) Cates, M.S., Berry, M.B., Ho, E.L., Li, Q., Potter, J.D. and Phillips, G.N. : *Structure*, **7**, 1269 (1999).
- 2) Taniguchi, H., Lu, J. and Huang, Z.J. : *Science*, **339**, 70 (2013).
- 3) Schwaller, B., Meyer, M. and Schiffmann, S. : *Cerebellum*, **1**, 241 (2002).
- 4) Rudy, B., Fishell, G., Lee, S. and Hjerling-Leffler, J. : *Dev. Neurobiol.*, **71**, 45 (2011).
- 5) Taniguchi, Y., Inoue, N., Morita, S., Nikaido, Y., Nakashima, T., Nagai, N., Okada, K., Matsuo, O. and Miyata, S. : *Cell. Tissue Res.*, **343**, 303 (2011).

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