

FUJIFILM**Wako**Code No. 010-26481 (100 μ L)**Anti Phosphorylated α -Synuclein,
Monoclonal Antibody(pSyn#64),
Biotin-conjugated****抗リン酸化 α -シヌクレイン,
モノクローナル抗体(pSyn#64), ビオチン結合****Background**

α -Synuclein in Lewy bodies (LBs), which are pathognomonic for Parkinson's Disease (PD) and Dementia with Lewy bodies (DLB), is phosphorylated at Ser 129¹⁾²⁾. Anti Phosphorylated α -Synuclein, Monoclonal Antibody (pSyn#64) : Code No. 015-25191 specifically reacts with α -synuclein phosphorylated at Ser 129, and is applicable to immunohistochemical and biological studies related to Parkinson's disease and LB pathology. This item is the same antibody labeled with Biotin.

Description

[Preparation]	Purified from culture medium of hybridoma Clone pSyn#64 by Protein A-affinity chromatography and conjugated Biotin.
[Antigen]	Peptide (residues 124-134) including phosphorylated Ser129 of human α -Synuclein.
[Reactivity]	Reacts with human and rodent α -Synuclein including phosphorylated Ser129. Not reaction to wild-type mice, rats or healthy person. We are no able to guarantee that this item is applicable to any patients or model animals.
[Host]	Mouse
[Isotype]	IgG2b
[Clone No.]	pSyn#64
[Formulation]	D-PBS with 0.05% Sodium Azide
[Conjugate]	Biotin

Applications

Immunohistochemistry	1 : 200-1 : 5,000
Immunocytochemistry	1 : 200-1 : 5,000

StorageStore at 2~10 $^{\circ}$ C.**Package**100 μ L**Example of protocol (immunohistochemistry, paraffin section)**

1. Deparaffinize the section
2. Antigen retrieval* : boiled in 0.01M citrate buffer, 10 min
3. Cool down to about 30 $^{\circ}$ C with a fan
4. Wash : TBS (50 mM Tris-HCl (pH 7.6), 150 mM NaCl)
5. Blocking : 10 % calf serum, 0.1% NaN₃** in PBS, 30 min
6. Primary antibody anti phospho α -synuclein antibody (pSyn #64), Biotin-conjugated (Wako Catalog No. 010-26481) 1:1,000, 10 % calf serum, 0.1% NaN₃** in PBS, overnight, at room temperature
7. Wash : TBS, 5 min, 3 times
8. ABC Solution, 1hour, at room temperature
9. Wash : TBS, 5 min, 3 times
10. 0.02% DAB, 0.05 % H₂O₂ in TBS 5 min, at room temperature
11. Wash : distilled water, 10 min
12. Nuclear staining : hematoxylin solution, 1 min
13. Wash : distilled water, 10 min
14. Mount

* Alternative method : 99% formic acid, 5 min, at room temperature.

** Sodium azide : a preservative.

References

1. Fujiwara, H., Hasegawa, M., Dohmae, N., Kawashima, A., Masliah, E., Goldberg, S. M., Shen, J., Takio, K. and Iwatsubo, T. : *Nature Cell Biology*, **4**, 160, (2002)
2. Saito, Y., Kawashima, A., Ruberu, N. N., Fujiwara, H., Koyama, S., Sawabe, M., Arai, T., Nagura, H., Yamanouchi, H., Hasegawa, M., Iwatsubo, T. and Murayama, S. : *Journal of NeuroPathology and Experimental Neurology*, **62**, 644 (2003)

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