

FUJIFILM

Wako

Code No. 016-26461 (100 μ L)

Anti Iba1, Rabbit, Biotin-conjugated 抗 Iba1, ウサギ, ビオチン結合

[Background]

Iba1 is a protein highly expressed in microglia and macrophage with a molecular weight of about 16.7kDa¹⁾. The protein is a commonly known microglial marker in the nervous system. This item is Anti Iba1, Rabbit (for Immunocytochemistry) : Code No. 019-19741, labeled with Biotin^{2) 3)}. For research use only. Not for use in diagnostic procedure.

[Description]

[Purification]	Purified from rabbit antiserum by antigen-affinity chromatography and conjugated Biotin.
[Reactivity]	Reacts with Iba1.
[Antigen]	Synthetic peptide corresponding to C-terminus of Iba1
[Species cross reactivity]	Mouse, Rat, and Marmoset (Other species have not been tested.)
[Host]	Rabbit
[Formulation]	D-PBS with 0.05% Sodium Azide.
[Conjugate]	Biotin

[Applications]

Immunohistochemistry (frozen) 1 : 200 ~ 2,000
Optimal concentration should be determined by each laboratory for each application.

[Storage]

Store at 2 ~ 10°C.

[Package]

100 μ L

[Recommended protocol (IHC, frozen section)]

Rat or mouse was perfusion-fixed with 4% paraformaldehyde. Replaced sucrose, and prepared 50 μ m brain section by microtome.

Wash : 0.3% TritonX-100 in PBS, 5 min \times 3

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Block of endogenous peroxidase : 3% hydrogen peroxide in 80% methanol, 20 min, -20°C

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Wash : 0.3% TritonX-100 in PBS, 5 min \times 3

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Blocking : 1% BSA, 0.3% TritonX-100/PBS, 2 hour, RT

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Primary antibody : Anti Iba1, rabbit, biotin-conjugated

(016-26461, 1/200), 1% BSA, and 0.3% TritonX-100 in PBS, Overnight, 4°C

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Wash : PBS, 5 min \times 3

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ABC : VECTASTAIN ABC kit (Vector Laboratory), 2 hour, RT

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Wash : PBS, 5 min \times 3

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DAB solution (10 mg/15 mL TBS)

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Wash : PBS, 5 min \times 3

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Mount

[Reference]

- 1) Imai, Y., Ibata, I., Ito, D., Ohsawa, K. and Kohsaka, S. : *Biochem. Biophys. Res. Commun.*, **224**, 855 (1996).
- 2) Jones, M. E., *et al.* : *Brain Behav. Immun.*, **67**, 355 (2018).
- 3) Rui, Y., *et al.* : *Nutrients*, **10**, 8 (2018).

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