

FUJIFILM**Wako**

Code No. 013-27691 (50 µg)

Anti Iba1, Rabbit(for Paraffin Section) 抗 Iba1, ウサギ(パラフィン切片用)

[Background]

Iba1 is a protein highly expressed in microglia and macrophages with a molecular weight of about 16.7 kDa¹⁾. The protein is a commonly known microglial marker in the nervous system. This item is a rabbit polyclonal antibody that reacts with Iba1²⁾⁶⁾. It is suitable for staining with paraffin section. For research use only. Not for use in diagnostic procedure.

[Description]

[Purification]	Purified from the antiserum by antigen affinity chromatography
[Reactivity]	Reacts with Iba1
[Antigen]	Synthetic peptide corresponding to the C-terminus of Iba1
[Species cross reactivity]	Mouse, rat (Other species have not been tested)
[Host]	Rabbit
[Concentration]	Indicated on the label
[Formulation]	1 × TBS (pH 7.4)

[Applications]

Immunohistochemistry (paraffin section) 1:1,000

Optimal concentration should be determined by each laboratory for each application.

[Storage]

Store at -20°C.

Avoid repeated freeze and thaw.

[Package]

50 µg (100 µL)

[Recommended protocol for fluorescent staining]

Deparaffinize section
100% xylene, 5 min × 3
100% ethanol, 5 min × 2
90% ethanol, 2 min
70% ethanol, 2 min
Distilled water, 3 min
↓
Antigen retrieval : boiled in citrate buffer (pH6.0) 90°C, 9 min.
↓
Cool down at room temperature, over 30 min.
↓
PBS 5 min × 2
↓
Blocking : 2.5% normal goat serum in PBS, 20 min, at room temperature.
↓
PBS 5 min × 2
↓
Anti Iba1, Rabbit polyclonal antibody (1/1,000), 2.5% normal goat serum in PBS, overnight, 4°C
↓
PBS 5 min × 3
↓
Secondary antibody (AlexaFluor 488 anti-rabbit IgG, Jackson 711-545-152) and 2.5% normal goat serum in PBS, 2 hours at room temperature
↓
PBS 5 min × 3

-1/2-

↓
Mount

[Recommended protocol for DAB staining]

Deparaffinize section
100% xylene, 5 min × 3
100% ethanol, 5 min × 2
↓
Inactivation of endogenous peroxidase 0.3% H2O2 in methanol, 20 min
↓
90% ethanol, 2 min
70% ethanol, 2 min
Distilled water, 3 min
↓
Antigen retrieval : boiled in citrate buffer (pH 6.0) 90°C, 9 min.
↓
Cool down at room temperature, over 30 min.
↓
PBS 5 min × 2
↓
Blocking : 2.5% normal goat serum in PBS, RT, 20 min
↓
PBS 5 min × 2
↓
Anti Iba1, Rabbit polyclonal antibody (1/1,000), 2.5% normal goat serum in PBS, overnight, 4°C.
↓
PBS 5 min × 3
↓
Secondary antibody (biotinylated anti-rabbit IgG) in VECTASTAIN ABC kit (Vector Laboratory, PK-4001)
↓
PBS 5 min × 3
↓
ABC : VECTASTAIN ABC kit (Vector Laboratory, PK-4001), 30 min, RT
↓
PBS, 5 min × 2
↓
DAB solution
↓
Distilled water, 5 min × 2
↓
70% ethanol, 2 min
90% ethanol, 2 min
100% ethanol, 5 min × 2
100% xylene, 5 min × 3
↓
Mount

[References]

- 1) Imai, Y., Ibata, I., Ito, D., Ohsawa, K. and Kohsaka, S. : *Biochem. Biophys. Res. Commun.*, **224**, 855 (1996).
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- 5) Tambini, M. D. et al. : *J. Biol. Chem.*, **295**, 21, 7442 (2020).
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