

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℃.

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℃, 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℃

↓
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

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↓
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℃, 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℃.

↓
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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- 4) Harland, M., et al. : *J. Neurosci.* 40, 1756 (2020).
- 5) Tambini, M. D., et al. : *J. Biol. Chem.*, 295, 21, 7442 (2020).
- 6) Liu, L., et al. : *Pharmacol. Res. Perspect.*, 4, e00636 (2020).

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