

**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 kDa<sup>1)</sup>. The protein is a commonly known microglial marker in the nervous system. This item is a rabbit polyclonal antibody that reacts with Iba1. 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 Protein A-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

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↓  
PBS 5 min × 3

↓  
Mount

**[Recommended protocol for DAB staining]**

Deparaffinize section  
100% xylene, 5 min × 3  
100% ethanol, 5 min × 2

↓  
Inactivation of endogenous peroxidase 0.3% H<sub>2</sub>O<sub>2</sub> 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

**[Reference]**

1) Imai, Y., Ibata, I., Ito, D., Ohsawa, K. and Kohsaka, S. : *Biochem. Biophys. Res. Commun.*, **224**, 855 (1996).

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