

## IBA 1

Cat.No. 234 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

### Data Sheet

Reconstitution/Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Albumin and azide were added for stabilization. For <b>reconstitution</b> add 50 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> yes <b>ICC:</b> 1 : 1000 <b>IHC:</b> 1 : 1000 up to 1 : 5000 <b>IHC-P/FFPE:</b> 1 : 200 up to 1 : 2000
Immunogen	Synthetic peptide corresponding to AA 134 to 147 from rat IBA1 (UniProt Id: P55009)
Reactivity	Reacts with: human (P55008), rat (P55009), mouse (O70200). Other species not tested yet.
Specificity	Specific for IBA 1.
Matching control	234-0P

### TO BE USED IN VITRO / FOR RESEARCH ONLY NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Ionized calcium-binding adaptor molecule 1 (**IBA1**) or allograft inflammatory factor1 (**AIF-1**) is an EF hand calcium binding protein which is expressed by cells of the monocyte/macrophage lineage and by germ cells in the testis (1). In mice, IBA1/AIF-1 can be regarded a "pan-macrophage marker" because, except for alveolar macrophages, all subpopulations of macrophages express IBA1/AIF-1 (1). In human gliomas IBA1 defines a distinct subset of tumor-associated activated macrophages/microglial cells (2). Microglia represent the resident macrophages in the nervous system and are the smallest of the glial cells with cell bodies of only 2-5 µm in diameter. In the CNS IBA1 upregulation is associated with neuroinflammatory response (3).

### Selected References SYSY Antibodies

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