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 reconstitution add 50 µl H2O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.

**Applications**
- **WB**: 1 : 1000 (AP staining)
- **IP**: yes
- **ICC**: 1 : 1000
- **IHC**: 1 : 1000 up to 1 : 5000
- **IHC-P/FFPE**: 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).

**Specificity**
- Specific for IBA 1.

**matching control**
- 234-0P

**Selected References SYSY Antibodies**

Distinct in vivo roles of secreted APP ectodomain variants APPsα and APPsβ in regulation of spine density, synaptic plasticity, and cognition.

The EMBO journal (2018) : . **WB; IHC; tested species: mouse**

Memantine treatment of juvenile rats with kaolin-induced hydrocephalus.

Di Curzio DL, Nagra G, Mao X, Del Bigio MR
Brain research (2018) 1689: 54-62. **IHC-P; tested species: rat**

p75NTR regulates brain mononuclear cell function and neuronal structure in Toxoplasma infection-induced neuroinflammation.


Co-inhibition of PGE2 and VEGF blocks their expression in mononuclear phagocytes and limits neovascularization and leakage in the murine retina.

Balsier C, Wolf A, Herb M, Langmann T

Attenuation of epileptogenesis by 2-deoxy-d-glucose is accompanied by increased cerebral glucose supply, microglial activation and reduced astrocytosis.

Leiter I, Bascuñana P, Bengel FM, Bankstahl JP, Bankstahl M
Neurobiology of disease (2019) : . **IHC; tested species: mouse**

Long-Term Neuroinflammation Induced by Influenza A Virus Infection and the Impact on Hippocampal Neuron Morphology and Function.

Hossenni S, Wilk E, Michaelsen-Presseus K, Gerhauser I, Baumann M, Schughart K, Korte M

Beneficial effects of n-3 polysaturated fatty acids administration in a partial lesion model of Parkinson’s disease: The role of glia and NFR2 regulation.

Neurobiology of disease (2018) : . **IHC; tested species: rat**

p53 in AgRP neurons is required for protection against diet-induced obesity via JNK1.


Chronic near lifetime toluene exposure in rodents does not replicate solvent abuse leukoencephalopathy in humans.

Ranosa MA, Del Bigio MR
Neurotoxicology (2018) : . **IHC; tested species: rat**


Evanson NK, Guilhaume-Correa F, Herman JP, Goodman MD

Effects of the ecto-ATPase apyrase on microglial ramification and surveillance reflect cell depolarization, not ATP depletion.

Madrz C, Arancibia-Cárcamo IL, Kyaragyi V, Chan VTT, Hamilton NB, Atwood D
Molecular and cellular neurosciences (2018) : . **WB; tested species: mouse**

Widespread transduction of astrocytes and neurons in the mouse central nervous system after systemic delivery of a self-complementary AAV-PHP.B vector.

Rinson MY, de Vin F, Duquet SJ, Fripont S, Castaldo SA, Boucherjoven-Wenger J, Holt MG
Gene therapy (2018) : . **IHC; tested species: mouse**

Iontized calcium-binding adaptor molecule 1 (IBA 1) or allograft Inflammatory factor 1 (AIF 1) is an EF hand calcium binding protein which is expressed selectively in microglia/macrophages. Microglia are the smallest of the glial cell types in the central nervous system with cell bodies of only 2-5 µm in diameter.

IBA 1 expression has been suggested to be associated with the neuroinflammatory response and with transplant rejection.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**

NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS