Synaptic Systems

Rudolf-Wissell-Str. 28
37079 Göttingen, Germany
Phone: +49 551-50556-0
Fax: +49 551-50556-384
E-mail: sales@sysy.com
Web: www.sysy.com

IBA 1

Cat.No. HS-234 004; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 µl H_2O, then aliquot and store at -20°C until use.
Applications	**IHC-P/FFPE**: 1 : 500
Immunogen	Synthetic peptide corresponding to AA 134 to 147 from rat IBA1 (UniProt Id: P55009)
Reactivity	Reacts with: mouse (Q9EQW9), rat (P55009), human (P55008). Other species not tested yet.
Specificity	Specific for IBA 1.
matching control	234-0P
Remarks	For unkonwn reasons the single domain anti-Guinea pig antibody cat. no. N0602 does not recognize this antibody.

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

Ionized calcium-**b**inding adaptor **m**olecule **1** (**IBA1**) or **a**llograft **i**nflammatory **f**actor**1** (**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, AIF-1/IBA1 can be regarded a “pan-macrophage marker” because, except for alveolar macrophages, all subpopulations of macrophages express AIF-1/IBA1 (1). In human gliomas IBA1 defines a distinct subset of tumor-associated activated macrophages/ microglial cells (2).

Selected References SYSY Antibodies

The metalloprotease ADAMTS4 generates N-truncated Aβ4-x species and marks oligodendrocytes as a source of amyloidogenic peptides in Alzheimer's disease.
Walter S, Jumpertz T, Hüttenrauch M, Ogorek I, Gerber H, Storck SE, Zampar S, Dimitrov M, Lehmann S, Lepka K, Berndt C, et al.
Acta neuropathologica (2018) : . **IHC-P; tested species: mouse**

Selected General References

Allograft inflammatory factor-1/Ionized calcium-binding adapter molecule 1 is specifically expressed by most subpopulations of macrophages and spermatids in testis.
Köhler C
Cell and tissue research (2007) 330(2): 291-302.

Allograft inflammatory factor-1 defines a distinct subset of infiltrating macrophages/microglial cells in rat and human gliomas.
Deininger MH, Seid K, Engel S, Meyermann R, Schluesener HJ
Acta neuropathologica (2000) 100(6): 673-80.