

Resource Summary Report

Generated by [NIF](#) on Aug 22, 2026

Recombinant Anti-Iba1 antibody [EPR16588]

RRID:AB_2636859

Type: Antibody

Proper Citation

Abcam Cat# ab178846, RRID:AB_2636859

Antibody Information

URL: http://antibodyregistry.org/AB_2636859

Proper Citation: Abcam Cat# ab178846, RRID:AB_2636859

Target Antigen: Iba1

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: Flow Cyt (Intra), IHC-P, WB, ICC/IF

Antibody Name: Recombinant Anti-Iba1 antibody [EPR16588]

Description: This recombinant monoclonal targets Iba1

Target Organism: rat, mouse, human

Clone ID: EPR16588

Antibody ID: AB_2636859

Vendor: Abcam

Catalog Number: ab178846

Record Creation Time: 20250820T010649+0000

Record Last Update: 20250820T100354+0000

Ratings and Alerts

No rating or validation information has been found for Recombinant Anti-Iba1 antibody [EPR16588].

No alerts have been found for Recombinant Anti-Iba1 antibody [EPR16588].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 150 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

Jiang T, et al. (2026) Blood-brain barrier disruption and neuroinflammation in the hippocampus of a cardiac arrest porcine model: Single-cell RNA sequencing analysis. *Neural regeneration research*, 21(2), 742.

Luan P, et al. (2026) A reciprocal glial circuit calibrates injury information and governs the tissue response balance. *Neuron*.

Abdelmageed M, et al. (2026) An altered cell-specific subcellular distribution of translesion synthesis DNA polymerase kappa (POLK) in aging mouse neurons. *eLife*, 13.

Espinosa-Garcia C, et al. (2026) Neuroinflammatory stress preferentially impacts synaptic MAPK signaling and mitochondria in excitatory neurons. *Molecular neurodegeneration advances*, 2(1), 17.

Metodieva V, et al. (2026) Divergent toxicity mechanisms of amyloid-beta aggregates arising from a single aggregation reaction. *Cell reports*, 45(7), 117595.

Kumar K, et al. (2026) Gestational deltamethrin exposure exacerbates post-traumatic epileptiform activity and social deficits, diminishing the therapeutic efficacy of curcumin in rats. *Metabolic brain disease*, 41(1).

Li F, et al. (2026) Overexpression of the inwardly rectifying potassium channel Kir4.1 or Kir4.1 Tyr 9 Asp in Müller cells exerts neuroprotective effects in an experimental glaucoma model. *Neural regeneration research*, 21(4), 1628.

Lorenz SM, et al. (2026) A fin-loop-like structure in GPX4 underlies neuroprotection from ferroptosis. *Cell*, 189(1), 287.

Pilat DJ, et al. (2026) The gain-of-function TREM2-T96K mutation increases risk for Alzheimer's disease by impairing microglial function. *Neuron*, 114(1), 46.

Vitali R, et al. (2026) Fecal miRNome and Proteome Profiling Uncovers Stage-Specific Biomarkers of Alzheimer's Disease in 3xTg-AD Mice. *Cellular and molecular neurobiology*, 46(1).

Villamarin-Ortiz A, et al. (2026) Cortical Response to Acute Implantation of the Utah Optrode Array in Macaque Cortex. *Advanced healthcare materials*, 15(3), e00575.

Huang H, et al. (2026) Neuronal Cholesterol Deficiency Mediated by Astrocytic SREBP2 Downregulation Leads to Postoperative Cognitive Dysfunction Through Impairment of Hippocampal Synaptic Plasticity and Excitatory Synaptic Transmission. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(23), e19874.

Du Y, et al. (2026) Oral GLP-1 receptor agonist promotes astrocyte-neuron lactate and lipid transfer with neuroprotective effects. *Cell metabolism*, 38(8), 1633.

Fan M, et al. (2026) Genistein-3'-sodium sulfonate improves neuroinflammation, blood-brain barrier function, and microglial activation after chronic cerebral hypoperfusion by regulating TGR5. *Metabolic brain disease*, 41(1).

Chen X, et al. (2026) Fat mass and obesity-mediated N⁶-methyladenosine modification modulates neuroinflammatory responses after traumatic brain injury. *Neural regeneration research*, 21(2), 730.

Wang Y, et al. (2026) Chitosan alleviates symptoms of Parkinson's disease by reducing acetate levels, which decreases inflammation and promotes repair of the intestinal barrier and blood-brain barrier. *Neural regeneration research*, 21(1), 377.

Kilpeläinen T, et al. (2026) Novel PREP ligand, HUP-46, ameliorates behavioral deficits in an alpha-synuclein based Parkinson's disease model. *Experimental neurology*, 397, 115593.

Gockel N, et al. (2026) Schizophrenia-associated complement C4 impairs synaptic connectivity and decreases microglia-synapse interactions through CR3 signaling. *Cell reports*, 45(4), 117161.

He A, et al. (2026) Amygdala astrocyte senescence drives stress-induced anxiety and hyperglycemia. *Cell metabolism*, 38(7), 1385.

Zhang K, et al. (2026) Method for the simultaneous isolation of primary astrocytes and microglia from the neonatal rats cerebral cortex. *Frontiers in cellular neuroscience*, 20, 1787397.