# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 1, 2025

## Recombinant Anti-Iba1 antibody [EPR16589]

RRID:AB_2832244
Type: Antibody

### Proper Citation

(Abcam Cat# ab178847, RRID:AB_2832244)

### Antibody Information

**URL:** http://antibodyregistry.org/AB_2832244

**Proper Citation:** (Abcam Cat# ab178847, RRID:AB_2832244)

**Target Antigen:** Iba1

**Host Organism:** rabbit

**Clonality:** recombinant

**Comments:** Applications: IHC-P, WB, IP, ICC/IF, IHC-FoFr

**Antibody Name:** Recombinant Anti-Iba1 antibody [EPR16589]

**Description:** This recombinant targets Iba1

**Target Organism:** Human, Rat, Mouse

**Clone ID:** EPR16589

**Antibody ID:** AB_2832244

**Vendor:** Abcam

**Catalog Number:** ab178847

**Record Creation Time:** 20231110T032407+0000

**Record Last Update:** 20240725T071509+0000

### Ratings and Alerts

No rating or validation information has been found for Recombinant Anti-Iba1 antibody [EPR16589].

No alerts have been found for Recombinant Anti-Iba1 antibody [EPR16589].

## Data and Source Information

**Source:** Antibody Registry

## Usage and Citation Metrics

We found 39 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.


Cheng W, et al. (2024) Single-cell RNA Sequencing Identifies a Novel Subtype of Microglia with High Cd74 Expression that Facilitates White Matter Inflammation During Chronic Cerebral Hypoperfusion. Neurochemical research, 49(10), 2821.

Li X, et al. (2024) Immune Cells Promote BDNF Expression by Infiltrated Macrophages via Interleukin 4 in the Cerebral Ischemia of Male Rats. Journal of neuroscience research, 102(9), e25379.

Zhao Y, et al. (2024) Intrathecal administration of MCRT produced potent antinociception in chronic inflammatory pain models via ?-? heterodimer with limited side effects. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 179, 117389.

Mu J, et al. (2024) Visualizing Wallerian degeneration in the corticospinal tract after sensorimotor cortex ischemia in mice. Neural regeneration research, 19(3), 636.

Cheng L, et al. (2024) A Gpr35-tuned gut microbe-brain metabolic axis regulates depressive-like behavior. Cell host & microbe, 32(2), 227.

Wang L, et al. (2024) CCR2+ monocytes replenish border-associated macrophages in the diseased mouse brain. Cell reports, 43(4), 114120.

Wang SY, et al. (2023) The Alzheimer's disease-associated gene TREML2 modulates inflammation by regulating microglia polarization and NLRP3 inflammasome activation. Neural regeneration research, 18(2), 434.

Chen J, et al. (2023) MYPT1SMKO Mice Function as a Novel Spontaneous Age- and Hypertension-Dependent Animal Model of CSVD. Translational stroke research.

Ye Q, et al. (2023) Oncogenic BRAFV600E induces microglial proliferation through extracellular signal-regulated kinase and neuronal death through c-Jun N-terminal kinase. Neural regeneration research, 18(7), 1613.

Srivastava P, et al. (2023) Peripheral MC1R Activation Modulates Immune Responses and is Neuroprotective in a Mouse Model of Parkinson's Disease. Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology, 18(4), 704.

Yu Q, et al. (2023) C1q is essential for myelination in the central nervous system (CNS). iScience, 26(12), 108518.

Jia Q, et al. (2023) Comparing HD knockin pigs and mice reveals the pathological role of IL-17. Cell reports, 42(12), 113443.

Zhu K, et al. (2023) Effects of HMGB1/RAGE/cathespin B inhibitors on alleviating hippocampal injury by regulating microglial pyroptosis and caspase activation in neonatal hypoxic-ischemic brain damage. Journal of neurochemistry, 167(3), 410.

Teo JD, et al. (2023) Early microglial response, myelin deterioration and lethality in mice deficient for very long chain ceramide synthesis in oligodendrocytes. Glia, 71(4), 1120.

Huan Y, et al. (2023) Necroptosis plays a crucial role in the exacerbation of retinal injury after blunt ocular trauma. Neural regeneration research, 18(4), 922.

Cai J, et al. (2023) KDM4A, involved in the inflammatory and oxidative stress caused by traumatic brain injury-hemorrhagic shock, partly through the regulation of the microglia M1 polarization. BMC neuroscience, 24(1), 17.

Wei HX, et al. (2023) Upregulation of EphA4 deteriorate brain damage by shifting microglia M1-polarization via NF-?B signaling after focal cerebral ischemia in rats. Heliyon, 9(7), e18429.

Hong X, et al. (2023) Kir4.1 channel activation in NG2 glia contributes to remyelination in ischemic stroke. EBioMedicine, 87, 104406.

Davleeva MA, et al. (2023) Molecular and cellular changes in the post-traumatic spinal cord remodeling after autoinfusion of a genetically-enriched leucoconcentrate in a mini-pig model. Neural regeneration research, 18(7), 1505.

Fu XX, et al. (2023) Lamotrigine protects against cognitive deficits, synapse and nerve cell damage, and hallmark neuropathologies in a mouse model of Alzheimer's disease. Neural regeneration research, 18(1), 189.