

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 12, 2025

## Goat anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 647

RRID:AB\_141778

Type: Antibody

### Proper Citation

(Thermo Fisher Scientific Cat# A-21247, RRID:AB\_141778)

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_141778](http://antibodyregistry.org/AB_141778)

**Proper Citation:** (Thermo Fisher Scientific Cat# A-21247, RRID:AB\_141778)

**Target Antigen:** Rat IgG (H+L)

**Host Organism:** goat

**Clonality:** polyclonal secondary

**Comments:** Applications: ICC/IF (2 µg/mL), IHC (1-10 µg/mL), IP (1:1,000), WB (Assay-dependent)

This product offered by Molecular Probes (Invitrogen), now part of Thermo Fisher Consolidation on 6/2023: AB\_10563568, AB\_10563558

**Antibody Name:** Goat anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 647

**Description:** This polyclonal secondary targets Rat IgG (H+L)

**Target Organism:** rat

**Defining Citation:** [PMID:17374608](#), [PMID:17170067](#), [PMID:12953093](#), [PMID:27199371](#), [PMID:17251309](#), [PMID:18604209](#), [PMID:25036710](#), [PMID:19605689](#), [PMID:17332376](#), [PMID:18193049](#)

**Antibody ID:** AB\_141778

**Vendor:** Thermo Fisher Scientific

**Catalog Number:** A-21247

**Record Creation Time:** 20241130T060401+0000

**Record Last Update:** 20241130T061005+0000

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## Ratings and Alerts

No rating or validation information has been found for Goat anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 647.

**Warning:** Discontinued at Molecular Probes

Applications: ICC/IF (2 µg/mL), IHC (1-10 µg/mL), IP (1:1,000), WB (Assay-dependent)

This product offered by Molecular Probes (Invitrogen), now part of Thermo Fisher

Consolidation on 6/2023: AB\_10563568, AB\_10563558

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 381 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Ferreira PA, et al. (2025) Early-life IL-4 administration induces long-term changes in microglia in the cerebellum and prefrontal cortex. *Journal of neurochemistry*, 169(1), e16266.

Myers-Joseph D, et al. (2024) Disinhibition by VIP interneurons is orthogonal to cross-modal attentional modulation in primary visual cortex. *Neuron*, 112(4), 628.

Do BT, et al. (2024) Nucleotide depletion promotes cell fate transitions by inducing DNA replication stress. *Developmental cell*, 59(16), 2203.

Xiang Y, et al. (2024) Multiple reorganizations of the lateral elements of the synaptonemal complex facilitate homolog segregation in *Bombyx mori* oocytes. *Current biology : CB*, 34(2), 352.

Wang C, et al. (2024) Circadian tumor infiltration and function of CD8+ T cells dictate immunotherapy efficacy. *Cell*, 187(11), 2690.

Pavon N, et al. (2024) Patterning ganglionic eminences in developing human brain organoids using a morphogen-gradient-inducing device. *Cell reports methods*, 4(1), 100689.

Rangel Guerrero DK, et al. (2024) Hippocampal cholecystinin-expressing interneurons regulate temporal coding and contextual learning. *Neuron*, 112(12), 2045.

Brukman NG, et al. (2024) Sperm induction of somatic cell-cell fusion as a novel functional test. *eLife*, 13.

Sell LB, et al. (2024) Protocol for isolating and processing mouse sciatic nerve fibers for confocal immunohistochemistry. *STAR protocols*, 5(1), 102852.

Xia H, et al. (2024) Sensory innervation in the prostate and a role for calcitonin gene-related peptide in prostatic epithelial proliferation. *Frontiers in molecular neuroscience*, 17, 1497735.

Kroeger B, et al. (2024) Basal spot junctions of Drosophila epithelial tissues respond to morphogenetic forces and regulate Hippo signaling. *Developmental cell*, 59(2), 262.

Rodrigues PF, et al. (2024) Progenitors of distinct lineages shape the diversity of mature type 2 conventional dendritic cells. *Immunity*, 57(7), 1567.

Simats A, et al. (2024) Innate immune memory after brain injury drives inflammatory cardiac dysfunction. *Cell*, 187(17), 4637.

Culver SA, et al. (2024) Nephron specific ATP6AP2 knockout increases urinary excretion of fatty acids and decreases renal cortical megalin expression. *Scientific reports*, 14(1), 18724.

Ye D, et al. (2024) Changes in the cellular makeup of motor patterning circuits drive courtship song evolution in Drosophila. *Current biology : CB*, 34(11), 2319.

Wang S, et al. (2024) Region-specific cellular and molecular basis of liver regeneration after acute pericentral injury. *Cell stem cell*, 31(3), 341.

Escoubas CC, et al. (2024) Type-I-interferon-responsive microglia shape cortical development and behavior. *Cell*.

Niu N, et al. (2024) Tumor cell-intrinsic epigenetic dysregulation shapes cancer-associated fibroblasts heterogeneity to metabolically support pancreatic cancer. *Cancer cell*, 42(5), 869.

Noguchi Y, et al. (2024) Protocol for in vivo CRISPR screening targeting murine testicular cells. *STAR protocols*, 5(3), 103306.

González-Fernández M, et al. (2024) Docetaxel response in BRCA1,p53-deficient mammary tumor cells is affected by Huntingtin and BAP1. *Proceedings of the National Academy of Sciences of the United States of America*, 121(52), e2402849121.