

# Resource Summary Report

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## Goat anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 555

RRID:AB\_2535855

Type: Antibody

### Proper Citation

(Thermo Fisher Scientific Cat# A-21434, RRID:AB\_2535855)

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2535855](http://antibodyregistry.org/AB_2535855)

**Proper Citation:** (Thermo Fisher Scientific Cat# A-21434, RRID:AB\_2535855)

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

**Host Organism:** goat

**Clonality:** polyclonal secondary

**Comments:** Applications: ICC/IF, IHC  
Consolidation 6/2023: AB\_10562898

**Antibody Name:** Goat anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 555

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

**Target Organism:** rat

**Defining Citation:** [PMID:28087344](#), [PMID:22493505](#), [PMID:18596033](#), [PMID:23420882](#), [PMID:27350178](#), [PMID:23793060](#), [PMID:23552693](#), [PMID:22431752](#), [PMID:22434821](#), [PMID:22915644](#), [PMID:24048899](#), [PMID:22899758](#), [PMID:19168629](#)

**Antibody ID:** AB\_2535855

**Vendor:** Thermo Fisher Scientific

**Catalog Number:** A-21434

**Alternative Catalog Numbers:** A21434

**Record Creation Time:** 20251213T073140+0000

**Record Last Update:** 20260225T230330+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™ 555.

No alerts have been found for Goat anti-Rat IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 555.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 180 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Trimarco A, et al. (2026) Prostaglandin D2 Synthase Controls Schwann Cells Metabolism and Peripheral Myelin Homeostasis. *Glia*, 74(3), e70137.

Zhang JS, et al. (2026) Blocking apoptosis promotes survival and alters developmental dynamics of human retinal ganglion cells in retinal organoids. *Cell reports*, 45(4), 117270.

Cruz J, et al. (2026) Single-cell transcriptomics of X-ray irradiated *Drosophila* wing discs reveals heterogeneity related to cell-cycle status and cell location. *eLife*, 14.

Hisamatsu D, et al. (2026) Identification of a set of transcriptional regulators involved in the temporal regulation of neuronal subtype differentiation. *Developmental biology*, 535, 66.

Jassowicz L, et al. (2026) Dissecting the cellular architecture of breast cancer brain metastases reveals prognostically distinct immune landscapes. *Cancer cell*, 44(6), 1290.

Cave S, et al. (2026) Asperous coordinates regeneration timing by regulating damage-induced WNT signaling. *iScience*, 29(8), 116823.

Pfefferkorn AM, et al. (2026) Injured epithelial cell states impact kidney allograft survival after T-cell-mediated rejection. *Nature communications*, 17(1), 1060.

Graff MFE, et al. (2026) Progressive mural cell deficiencies across the lifespan in a *foxf2* model of cerebral small vessel disease. *eLife*, 14.

Zhao W, et al. (2026) NAD-dependent redox control enables endothelial quiescence and vascular stabilization during angiogenesis. *Cell metabolism*, 38(7), 1478.

Lu Y, et al. (2026) Smooth muscle cells transiently acquire a CD34+ progenitor state upon injury to drive pathological vascular remodeling. *Cell stem cell*, 33(6), 964.

Zhou Z, et al. (2026) SUDS3 nuclear condensates decelerate DNA replication and safeguard genome stability. *Cell reports*, 45(7), 117713.

Smandzich NJ, et al. (2026) Metabolomics of Multiple System Atrophy Patient-Derived Striatal Medium Spiny Neurons. *Biomolecules*, 16(2).

Planas-Paz L, et al. (2026) Targeting ATR signaling in sarcoma with homologous recombination deficiency. *Cancer letters*, 642, 218300.

Li M, et al. (2026) DKK1 Targeting in Corneal Schwann Cells Rescues Axonal Regeneration and Mechanosensory Function After Corneal Injury. *Journal of neuroscience research*, 104(6), e70142.

Nakajima T, et al. (2025) Deficiency of Estrogen Receptor 2 Expression Enhances Disorganization of the Mouse Uterus With Age. *Endocrinology*, 166(8).

Devanathan SK, et al. (2025) MePCE promotes homologous recombination through coordinating R-loop resolution at DNA double-stranded breaks. *Cell reports*, 44(6), 115740.

Shea JM, et al. (2025) Microglia aging in the hippocampus advances through intermediate states that drive activation and cognitive decline. *eLife*, 13.

De Paolis ML, et al. (2025) Repetitive prefrontal tDCS activates VTA dopaminergic neurons, resulting in attenuation of Alzheimer's Disease-like deficits in Tg2576 mice. *Alzheimer's research & therapy*, 17(1), 94.

Makris S, et al. (2025) Lymph node fibroblast phenotypes and immune crosstalk regulated by podoplanin activity. *Cell reports*, 44(7), 115908.

Smandzich NJ, et al. (2025) Proteomics of Patient-Derived Striatal Medium Spiny Neurons in Multiple System Atrophy. *Cells*, 14(17).