

Resource Summary Report

Generated by [ASWG](#) on Aug 10, 2026

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

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

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.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 180 mentions in open access literature.

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

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.

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

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.

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

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

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.

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

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

Brandebura AN, et al. (2025) Dysregulation of astrocyte-secreted pleiotrophin contributes to neuronal structural and functional deficits in Down syndrome. *Cell reports*, 44(10), 116300.

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

de Aquino MTP, et al. (2025) Glutamate receptor-T cell receptor signaling potentiates full CD8+ T cell activation and effector function in tumor immunity. *iScience*, 28(10), 112772.

Ding SQ, et al. (2025) Metformin-associated gut microbiota remodeling correlates with reinvigorated splenic immunity in aged mice: microbiome-immune crosstalk via the gut-spleen axis. *Frontiers in immunology*, 16, 1633486.