

Resource Summary Report

Generated by [RRID](#) on Aug 14, 2026

Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 405

RRID:AB_221604

Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# A-31553, RRID:AB_221604)

Antibody Information

URL: http://antibodyregistry.org/AB_221604

Proper Citation: (Thermo Fisher Scientific Cat# A-31553, RRID:AB_221604)

Target Antigen: Mouse IgG (H+L)

Host Organism: goat

Clonality: polyclonal secondary

Comments: Applications: Flow, ICC/IF, IHC

This product offered by Molecular Probes (Invitrogen), now part of Thermo Fisher Consolidation on 6/2023: AB_10051818

Antibody Name: Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 405

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

Target Organism: mouse

Defining Citation: [PMID:25915120](#), [PMID:27956640](#), [PMID:26264132](#), [PMID:17003134](#), [PMID:19808674](#), [PMID:24500276](#), [PMID:19903823](#), [PMID:17389390](#), [PMID:17371830](#), [PMID:15933071](#)

Antibody ID: AB_221604

Vendor: Thermo Fisher Scientific

Catalog Number: A-31553

Record Creation Time: 20251213T073325+0000

Ratings and Alerts

No rating or validation information has been found for Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 405.

Warning: Discontinued at Molecular Probes

Applications: Flow, ICC/IF, IHC

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

Consolidation on 6/2023: AB_10051818

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 136 mentions in open access literature.

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

Choi YK, et al. (2026) The REDD1-NF- κ B-miRNAs-eNOS/SIRT1 axis mediates obesity-induced endothelial cell senescence and hypertension. *Nature communications*, 17(1).

Sarkar S, et al. (2026) CLASP-dependent microtubule stabilization generates microtubule-based protrusive forces during *Drosophila* epithelial morphogenesis. *Current biology : CB*, 36(14), 3651.

Savvateev I, et al. (2026) *Toxoplasma gondii*-induced region-specific disintegration in glutamatergic neurotransmission is linked to cognitive impairments in mice. *iScience*, 29(1), 114415.

Mukherjee A, et al. (2026) Membrane potential mediates the cellular response to mechanical pressure. *Cell*, 189(1), 143.

Bokinić P, et al. (2026) Population encoding of cool and warm by thermoreceptors. *Neuron*.

Nemati S, et al. (2026) Therapeutic reactivation of hippocampal progenitors reverse cognition decline in mice with progressive brain demyelination. *Stem cell reports*, 21(5), 102896.

Shen D, et al. (2026) Direct and indirect neurogenesis from radial glial progenitor cell clones in the mouse neocortex. *The EMBO journal*, 45(1), 182.

Laporte C, et al. (2026) Protocol for visualizing microglial lysosomal content by immunohistochemistry in the rodent brain. *STAR protocols*, 7(2), 104438.

Stojanovic S, et al. (2025) Rebound Bursting Selectively Enables Fast Dynamics in Dopamine Midbrain Neurons Projecting to the Dorsolateral Striatum. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(44).

Valbuena S, et al. (2025) Early time window for memory ensemble allocation specifically depending on activity in Syt2+ early-born parvalbumin interneurons. *Cell reports*, 44(8), 116144.

Liu R, et al. (2025) C19orf12 inhibits mitochondrial function and enhances the antitumor effects of metformin in non-small cell lung cancer. *Cell reports*, 44(9), 116163.

Li J, et al. (2025) Epithelial cell-fate switch triggering ectopic ligand-receptor-mediated JAK-STAT signaling promotes tumorigenesis in *Drosophila*. *iScience*, 28(4), 112191.

Chang YC, et al. (2025) Peripheral glia and neurons jointly regulate activity-induced synaptic remodeling at the *Drosophila* neuromuscular junction. *eLife*, 14.

Gu N, et al. (2025) Microglia regulate neuronal activity via structural remodeling of astrocytes. *Neuron*.

Hiramatsu S, et al. (2025) Synaptic enrichment and dynamic regulation of the two opposing dopamine receptors within the same neurons. *eLife*, 13.

Ding Z, et al. (2025) MLKL activates the cGAS-STING pathway by releasing mitochondrial DNA upon necroptosis induction. *Molecular cell*, 85(13), 2610.

Guadarrama E, et al. (2025) Dynamic microglia/macrophage infiltration during spinal cord regeneration in larval sea lamprey. *Annals of the New York Academy of Sciences*, 1549(1), 250.

van Adrichem JJ, et al. (2025) Progressive remote memory decline coincides with parvalbumin interneuron hyperexcitability and enhanced inhibition of cortical engram cells in a mouse model of Alzheimer's disease. *eLife*, 14.

Aghi K, et al. (2025) Balanced synapse-to-synapse short-term plasticity ensures constant transmitter release. *Current biology : CB*, 35(12), 2881.

Howden JH, et al. (2025) Hexokinase 2 interacts with PINK1 to facilitate mitophagy in astrocytes and restrain inflammation-induced neurotoxicity. *Cell reports*, 44(6), 115809.