

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 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 [ASWG](#) .

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.

Pandey S, et al. (2025) A critical role of Neuroligin 2 C-terminus in OCD and social behavior. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(19).