

Resource Summary Report

Generated by [NIF](#) on Aug 9, 2026

GPCR TGR5 antibody

RRID:AB_2112165

Type: Antibody

Proper Citation

Abcam Cat# ab72608, RRID:AB_2112165

Antibody Information

URL: http://antibodyregistry.org/AB_2112165

Proper Citation: Abcam Cat# ab72608, RRID:AB_2112165

Target Antigen: GPBAR1

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012:western blot

Antibody Name: GPCR TGR5 antibody

Description: This polyclonal targets GPBAR1

Target Organism: mouse, human

Antibody ID: AB_2112165

Vendor: Abcam

Catalog Number: ab72608

Record Creation Time: 20250820T035057+0000

Record Last Update: 20250820T172105+0000

Ratings and Alerts

- Used for immunofluorescence microscopy assay by the Human Islet Research Network community. Contact(s): [Carmella Evans-Molina](#), [Raghavendra Mirmira](#) -

No alerts have been found for GPCR TGR5 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Fan M, et al. (2026) Genistein-3'-sodium sulfonate improves neuroinflammation, blood-brain barrier function, and microglial activation after chronic cerebral hypoperfusion by regulating TGR5. *Metabolic brain disease*, 41(1).

Huang F, et al. (2025) Bile acids activate cancer-associated fibroblasts and induce an immunosuppressive microenvironment in cholangiocarcinoma. *Cancer cell*, 43(8), 1460.

Nie RZ, et al. (2025) Cholinergic G protein-coupled bile acid receptor 1 (TGR5/GPBA) in the medial septal orchestrates adult hippocampal neurogenesis and cognition in Alzheimer's disease mice. *British journal of pharmacology*.

Li XY, et al. (2024) TGR5-mediated lateral hypothalamus-dCA3-dorsolateral septum circuit regulates depressive-like behavior in male mice. *Neuron*.

Lin Z, et al. (2023) The degradation of TGR5 mediated by Smurf1 contributes to diabetic nephropathy. *Cell reports*, 42(8), 112851.

Liu X, et al. (2023) The TGR5 Agonist INT-777 Promotes Peripheral Nerve Regeneration by Activating cAMP-dependent Protein Kinase A in Schwann Cells. *Molecular neurobiology*, 60(4), 1901.

Hu J, et al. (2021) Gut microbiota-mediated secondary bile acids regulate dendritic cells to attenuate autoimmune uveitis through TGR5 signaling. *Cell reports*, 36(12), 109726.

Zheng X, et al. (2021) Hyocholic acid species improve glucose homeostasis through a distinct TGR5 and FXR signaling mechanism. *Cell metabolism*, 33(4), 791.

Calderon G, et al. (2020) Ileo-colonic delivery of conjugated bile acids improves glucose homeostasis via colonic GLP-1-producing enteroendocrine cells in human obesity and diabetes. *EBioMedicine*, 55, 102759.

Wei M, et al. (2020) A dysregulated bile acid-gut microbiota axis contributes to obesity susceptibility. *EBioMedicine*, 55, 102766.