

# Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

## Rabbit Anti-Glucocerebrosidase, C Terminus Antibody, Unconjugated

RRID:AB\_1078958

Type: Antibody

### Proper Citation

Sigma-Aldrich Cat# G4171, RRID:AB\_1078958

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_1078958](http://antibodyregistry.org/AB_1078958)

**Proper Citation:** Sigma-Aldrich Cat# G4171, RRID:AB\_1078958

**Target Antigen:** Glucocerebrosidase (C-terminal) antibody produced in rabbit

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** Vendor recommendations: immunoblotting: 1-2 mug/mL; Western Blot

**Antibody Name:** Rabbit Anti-Glucocerebrosidase, C Terminus Antibody, Unconjugated

**Description:** This polyclonal targets Glucocerebrosidase (C-terminal) antibody produced in rabbit

**Target Organism:** rat, mouse, human

**Antibody ID:** AB\_1078958

**Vendor:** Sigma-Aldrich

**Catalog Number:** G4171

**Record Creation Time:** 20250820T012528+0000

**Record Last Update:** 20250820T105356+0000

### Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Glucocerebrosidase, C Terminus Antibody, Unconjugated.

No alerts have been found for Rabbit Anti-Glucocerebrosidase, C Terminus Antibody, Unconjugated.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Álvarez Jerez P, et al. (2024) African ancestry neurodegeneration risk variant disrupts an intronic branchpoint in GBA1. *Nature structural & molecular biology*, 31(12), 1955.

Mahoney-Crane CL, et al. (2023) Neuronopathic GBA1L444P Mutation Accelerates Glucosylsphingosine Levels and Formation of Hippocampal Alpha-Synuclein Inclusions. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(3), 501.

Krause GJ, et al. (2023) Molecular determinants of the crosstalk between endosomal microautophagy and chaperone-mediated autophagy. *Cell reports*, 42(12), 113529.

Kedariti M, et al. (2022) LRRK2 kinase activity regulates GCase level and enzymatic activity differently depending on cell type in Parkinson's disease. *NPJ Parkinson's disease*, 8(1), 92.

Stojkovska I, et al. (2022) Rescue of  $\alpha$ -synuclein aggregation in Parkinson's patient neurons by synergistic enhancement of ER proteostasis and protein trafficking. *Neuron*, 110(3), 436.

Logan T, et al. (2021) Rescue of a lysosomal storage disorder caused by Grn loss of function with a brain penetrant progranulin biologic. *Cell*, 184(18), 4651.

Seo BA, et al. (2021) TRIP12 ubiquitination of glucocerebrosidase contributes to neurodegeneration in Parkinson's disease. *Neuron*, 109(23), 3758.

Roney JC, et al. (2021) Lipid-mediated motor-adaptor sequestration impairs axonal lysosome delivery leading to autophagic stress and dystrophy in Niemann-Pick type C. *Developmental cell*, 56(10), 1452.

Henderson MX, et al. (2020) Glucocerebrosidase Activity Modulates Neuronal Susceptibility to Pathological  $\alpha$ -Synuclein Insult. *Neuron*, 105(5), 822.

Taguchi YV, et al. (2017) Glucosylsphingosine Promotes  $\alpha$ -Synuclein Pathology in Mutant GBA-Associated Parkinson's Disease. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(40), 9617.