

Resource Summary Report

Generated by ASWG on Aug 9, 2026

Human Progranulin/PGRN Antibody

RRID:AB_2114489

Type: Antibody

Proper Citation

R and D Systems Cat# AF2420, RRID:AB_2114489

Antibody Information

URL: http://antibodyregistry.org/AB_2114489

Proper Citation: R and D Systems Cat# AF2420, RRID:AB_2114489

Target Antigen: Progranulin/PGRN

Host Organism: Goat

Clonality: polyclonal

Comments: Applications: Western Blot, Immunohistochemistry, Knockout Validated

Antibody Name: Human Progranulin/PGRN Antibody

Description: This polyclonal targets Progranulin/PGRN

Target Organism: Human

Antibody ID: AB_2114489

Vendor: R and D Systems

Catalog Number: AF2420

Alternative Catalog Numbers: AF2420-SP

Record Creation Time: 20250819T224855+0000

Record Last Update: 20250820T032327+0000

Ratings and Alerts

No rating or validation information has been found for Human Progranulin/PGRN Antibody.

No alerts have been found for Human Progranulin/PGRN Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Kaplelach AK, et al. (2025) Delivering Progranulin to Astrocytic Lysosomes Promotes Growth of Co-Cultured Neurons. *Journal of neurochemistry*, 169(11), e70284.

Kusakari S, et al. (2025) Excessive expression of progranulin leads to neurotoxicity rather than neuroprotection. *Neurobiology of disease*, 209, 106895.

Boyle NR, et al. (2025) Reduction of sphingomyelinase activity associated with progranulin deficiency and frontotemporal dementia. *Neurobiology of disease*, 213, 107024.

Sung W, et al. (2024) Progranulin haploinsufficiency mediates cytoplasmic TDP-43 aggregation with lysosomal abnormalities in human microglia. *Journal of neuroinflammation*, 21(1), 47.

Root J, et al. (2024) Granulins rescue inflammation, lysosome dysfunction, lipofuscin, and neuropathology in a mouse model of progranulin deficiency. *Cell reports*, 43(12), 114985.

Feng T, et al. (2023) AAV-GRN partially corrects motor deficits and ALS/FTLD-related pathology in *Tmem106b*^{-/-}*Grn*^{-/-} mice. *iScience*, 26(7), 107247.

Thomasen PB, et al. (2023) SorCS2 binds progranulin to regulate motor neuron development. *Cell reports*, 42(11), 113333.

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.

Davis SE, et al. (2021) Delivering progranulin to neuronal lysosomes protects against excitotoxicity. *The Journal of biological chemistry*, 297(3), 100993.

Holzer I, et al. (2020) GRN, NOTCH3, FN1, and PINK1 expression in eutopic endometrium - potential biomarkers in the detection of endometriosis - a pilot study. *Journal of assisted reproduction and genetics*, 37(11), 2723.

Wang L, et al. (2019) Female-Specific Role of Progranulin to Suppress Bone Formation. *Endocrinology*, 160(9), 2024.

Tian R, et al. (2019) CRISPR Interference-Based Platform for Multimodal Genetic Screens in Human iPSC-Derived Neurons. *Neuron*, 104(2), 239.

Zhou X, et al. (2017) The interaction between progranulin and prosaposin is mediated by granulins and the linker region between saposin B and C. *Journal of neurochemistry*,

143(2), 236.