

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

KGA/GAC antibody

RRID:AB_2110381

Type: Antibody

Proper Citation

Proteintech Cat# 12855-1-AP, RRID:AB_2110381

Antibody Information

URL: http://antibodyregistry.org/AB_2110381

Proper Citation: Proteintech Cat# 12855-1-AP, RRID:AB_2110381

Target Antigen: KGA/GAC

Host Organism: rabbit

Clonality: polyclonal

Comments: Originating manufacturer of this product.

Applications: WB, IP, IHC, IF, ELISA

Used By NYUIHC-1086

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: KGA/GAC antibody

Description: This polyclonal targets KGA/GAC

Target Organism: rat, mouse, cat, human

Antibody ID: AB_2110381

Vendor: Proteintech

Catalog Number: 12855-1-AP

Record Creation Time: 20250819T221803+0000

Record Last Update: 20250820T014522+0000

Ratings and Alerts

- Independent validation by the NYU Langone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for KGA/GAC antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Zhu L, et al. (2026) Mitochondrial glutamine import sustains electron transport chain integrity independently of glutaminolysis in cancer. *Molecular cell*, 86(1), 150.

Zhang D, et al. (2025) Glutamine binds HSC70 to transduce signals inhibiting IFN- γ -mediated immunogenic cell death. *Developmental cell*, 60(14), 1958.

Han X, et al. (2024) Activation of polyamine catabolism promotes glutamine metabolism and creates a targetable vulnerability in lung cancer. *Proceedings of the National Academy of Sciences of the United States of America*, 121(13), e2319429121.

Li M, et al. (2024) AMPK targets PDZD8 to trigger carbon source shift from glucose to glutamine. *Cell research*, 34(10), 683.

Li D, et al. (2024) Aging-induced tRNAGlu-derived fragment impairs glutamate biosynthesis by targeting mitochondrial translation-dependent cristae organization. *Cell metabolism*.

Sponagel J, et al. (2022) Sex differences in brain tumor glutamine metabolism reveal sex-specific vulnerabilities to treatment. *Med (New York, N.Y.)*, 3(11), 792.

Choudhury D, et al. (2022) Inhibition of glutaminolysis restores mitochondrial function in senescent stem cells. *Cell reports*, 41(9), 111744.

Huang T, et al. (2021) Andrographolide prevents bone loss via targeting estrogen-related receptor- γ -regulated metabolic adaption of osteoclastogenesis. *British journal of pharmacology*, 178(21), 4352.

Jin H, et al. (2020) A powerful drug combination strategy targeting glutamine addiction for the treatment of human liver cancer. *eLife*, 9.

Byun JK, et al. (2020) Inhibition of Glutamine Utilization Synergizes with Immune Checkpoint Inhibitor to Promote Antitumor Immunity. *Molecular cell*, 80(4), 592.

Zhou H, et al. (2020) Glia-to-Neuron Conversion by CRISPR-CasRx Alleviates Symptoms of Neurological Disease in Mice. *Cell*, 181(3), 590.

Chan K, et al. (2019) eIF4A supports an oncogenic translation program in pancreatic ductal adenocarcinoma. *Nature communications*, 10(1), 5151.