Product Datasheet

GPRC5A/RAI3 Antibody - BSA Free NBP1-89743

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/NBP1-89743

Updated 2/21/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications Submit a review at www.novusbio.com/reviews/destination/NBP1-89743



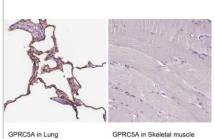
NBP1-89743

GPRC5A/RAI3 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	9052
Gene Symbol	GPRC5A
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non- tested species: Mouse (82%), Rat (81%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LTKQRNPMDYPVEDAFCKPQLVKKSYGVENRAYSQEEITQGFEETGDTLYAPY STHFQLQNQPPQKEFSIPR
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry Free-Floating, Knockdown Validated
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Immunohistochemistry Free- Floating 1:1000 - 1:2500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

Immunohistochemistry-Paraffin: GPRC5A/RAI3 Antibody [NBP1-89743] -Analysis in human lung and skeletal muscle tissues. Corresponding GPRC5A RNA-seq data are presented for the same tissues.



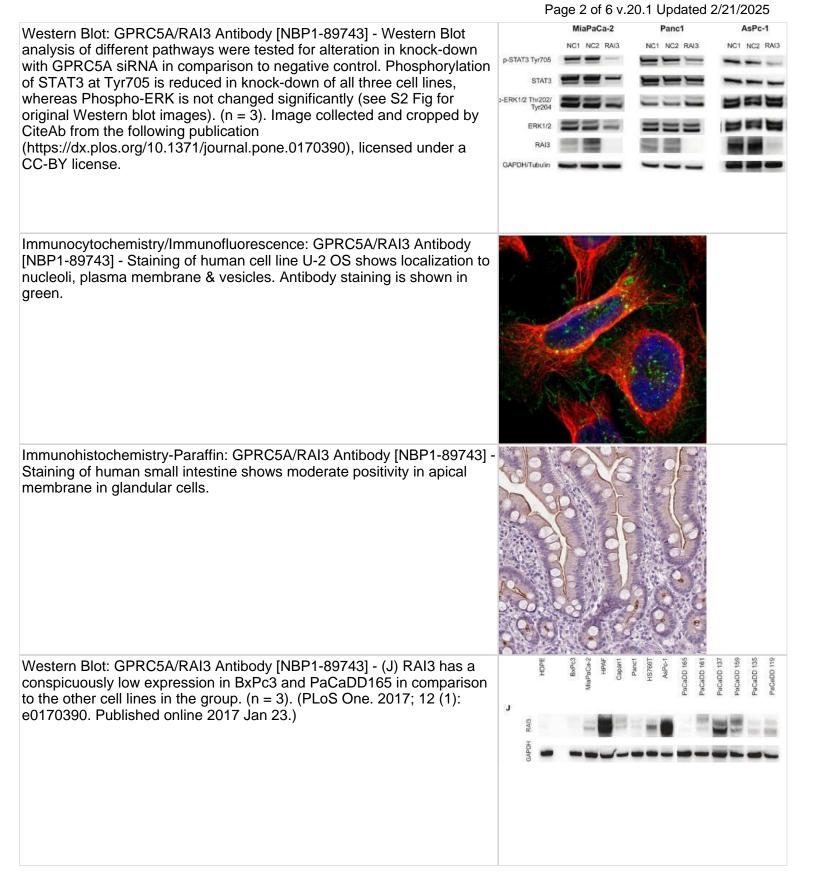
GPRC5A in Lung

RNA [TPM] 40 80 120 160 200

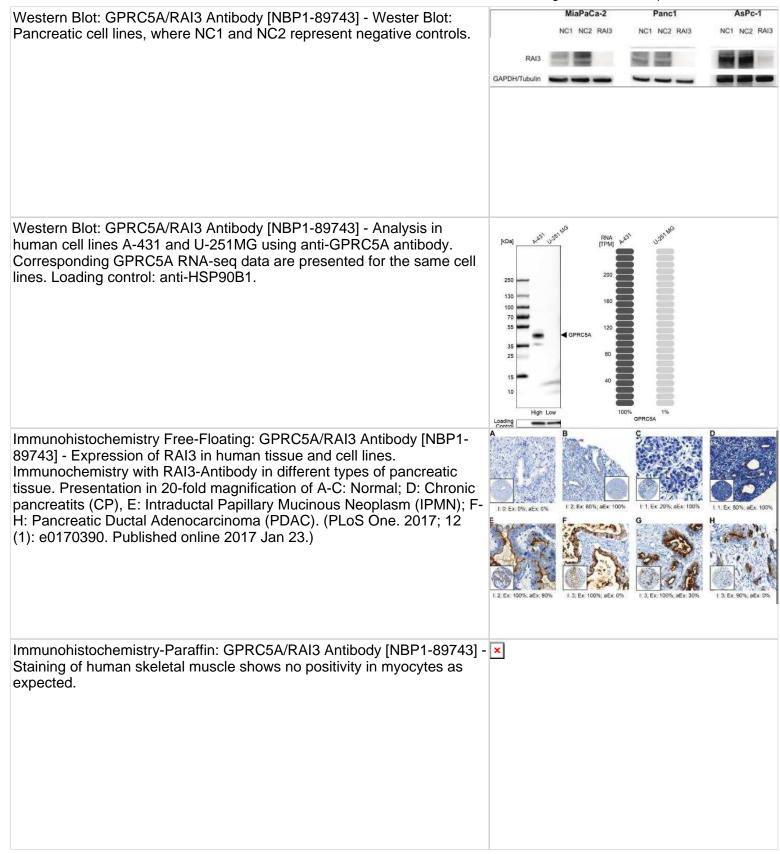
RNA [TPM] 120 160 200

www.novusbio.com

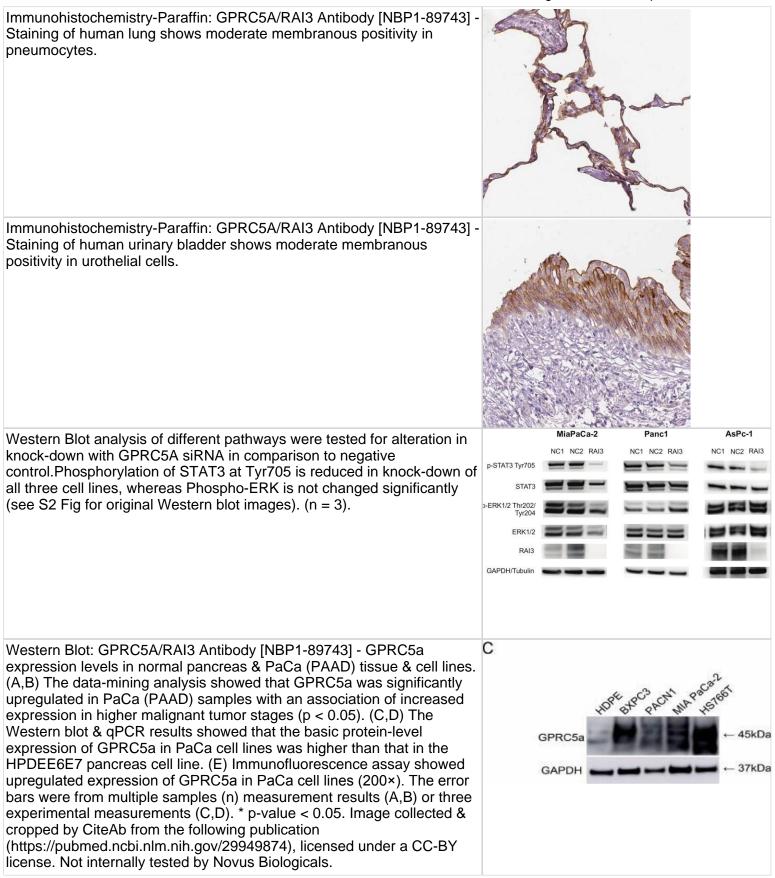








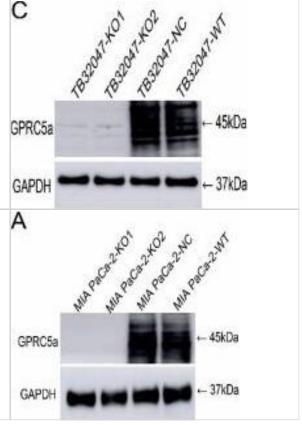






Western Blot: GPRC5A/RAI3 Antibody [NBP1-89743] - Influence of GPRC5a knockout on the proliferation & migration ability in MIA PaCa-2 & TB32047 cells. (A–D) Western blot & sequencing results showing the GPRC5a knocked out in MIA PaCa-2-KO1/2 & TB32047-KO1/2 (Red highlight area means the different part in comparison of sequencing sequence). (E,F): The knockout of GPRC5a inhibited the proliferation ability of MIA PaCa-2 & TB32047 cells. (G,H) GPRC5a knockout inhibited the migration ability of MIA PaCa-2 (G) & TB32047 cells (H). * p-value < 0.05. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/29949874), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

Western Blot: GPRC5A/RAI3 Antibody [NBP1-89743] - Influence of GPRC5a knockout on the proliferation & migration ability in MIA PaCa-2 & TB32047 cells. (A–D) Western blot & sequencing results showing the GPRC5a knocked out in MIA PaCa-2-KO1/2 & TB32047-KO1/2 (Red highlight area means the different part in comparison of sequencing sequence). (E,F): The knockout of GPRC5a inhibited the proliferation ability of MIA PaCa-2 & TB32047 cells. (G,H) GPRC5a knockout inhibited the migration ability of MIA PaCa-2 (G) & TB32047 cells (H). * p-value < 0.05. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/29949874), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Liu B, Yang H, PilarskY C, Weber GF. The Effect of GPRC5a on the Proliferation, Migration Ability, Chemotherapy Resistance, and Phosphorylation of GSk-3B in Pancreatic Cancer. Int J Mol Sci. 2018-06-26 [PMID: 29949874] (ICC/IF, WB, Human)

Jahny E, Yang H, Liu B et al. The G Protein-Coupled Receptor RAI3 Is an Independent Prognostic Factor for Pancreatic Cancer Survival and Regulates Proliferation via STAT3 Phosphorylation PLoS ONE 2017-01-23 [PMID: 28114355] (WB, Human)





Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112 USA Phone: 303.730.1950 Toll Free: 1.888.506.6887 Fax: 303.730.1966 nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave Toronto, ON M8Z 4E6 Canada Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402 canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449 Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com Technical Support: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

Products Related to NBP1-89743

NBP1-89743PEP	GPRC5A/RAI3 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-89743

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications

www.novusbio.com

