

Product Datasheet

GPR64 Antibody - BSA Free

NBP1-84906

Unit Size: 0.1 ml

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

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NBP1-84906

GPR64 Antibody - BSA Free

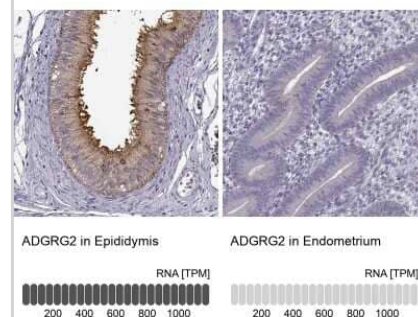
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	10149
Gene Symbol	ADGRG2
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SPTVSAPANVNTTSAPPVQTDIVNTSSISDLENQVLQMEKALSLGSLEPNLAGE MINQVSRLHSPDMLAPLAQRLLKVVDDIGLQLNFSNTTISLTSPSLALAVIRVN ASSFNNTTFVAQDPANLQVSLETQAPE

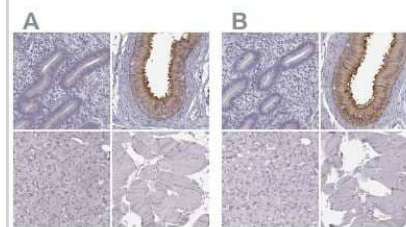
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.4 ug/ml, Flow Cytometry, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Use in WB reported in scientific literature (PMID: 29321622).

Images

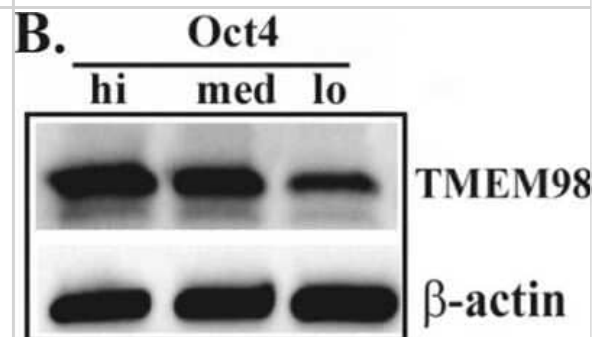
Immunohistochemistry-Paraffin: GPR64 Antibody [NBP1-84906] - Staining in human epididymis and endometrium tissues using NBP1-84906 antibody. Corresponding ADGRG2 RNA-seq data are presented for the same tissues.



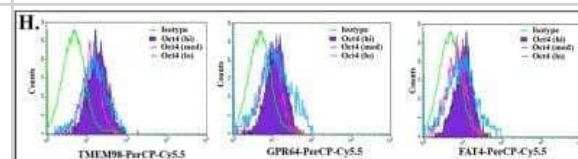
Immunohistochemistry-Paraffin: GPR64 Antibody [NBP1-84906] - Staining of human endometrium, epididymis, liver and skeletal muscle using Anti-ADGRG2 antibody NBP1-84906 (A) shows similar protein distribution across tissues to independent antibody NBP2-55504 (B).



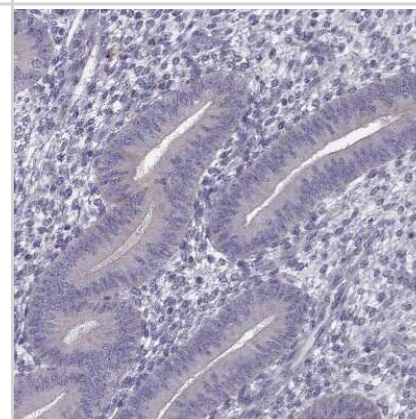
Western Blot: GPR64 Antibody [NBP1-84906] - Expression of selected genes in BCC subsets. Western blots for GPR64, TMEM98, FAT4, RAP1A and FN1 using whole cell extracts expression from Oct4hi, Octmed and Oct4low, isolated as for 'A'. The results represent four different independent experiments. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-017-18834-5>), licensed under a CC-BY license.



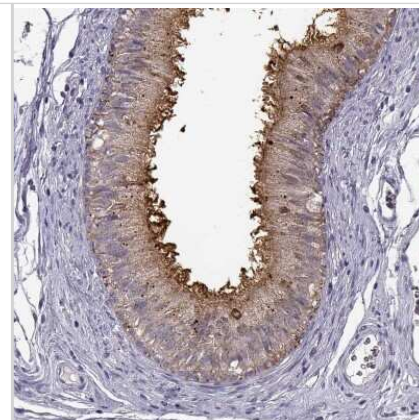
Flow Cytometry: GPR64 Antibody [NBP1-84906] - Characterization of BCC subsets. MDA-MB-231, stably transfected with Oct4-GFP (left panel), was labeled with PE-anti-TMEM-98, -GPR64 and -FAT4 and analyzed by flow cytometry based on the relative GFP levels (n=5). Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-017-18834-5#additional-information>), licensed under a CC-BY license.



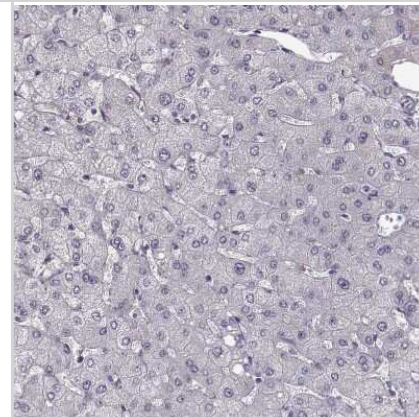
Immunohistochemistry-Paraffin: GPR64 Antibody [NBP1-84906] - Staining of human endometrium shows no positivity in glandular cells as expected.



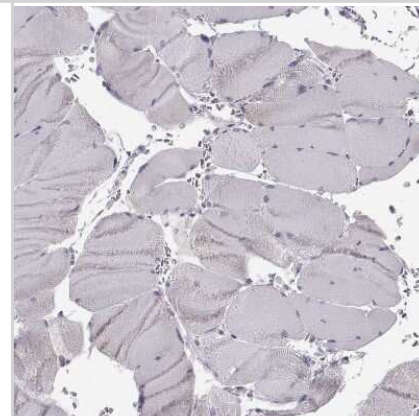
Immunohistochemistry-Paraffin: GPR64 Antibody [NBP1-84906] - Staining of human epididymis shows strong positivity in microvilli in glandular cells.



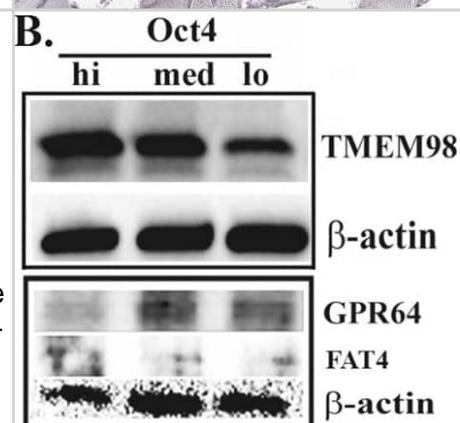
Immunohistochemistry-Paraffin: GPR64 Antibody [NBP1-84906] - Staining of human liver shows no positivity in hepatocytes as expected.



Immunohistochemistry-Paraffin: GPR64 Antibody [NBP1-84906] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Expression of selected genes in BCC subsets. (A) Real time PCR for GPR64, FAT4, TMEM98, ALOX5 AP, DUSP4, RAP1A & FN1. The RNA was isolated from Oct4hi, Octmed & Oct4low subsets from MDA-MB-231 stably transfected with pEGFP1-Oct3/4. The results are shown as relative to β -actin expression with mean \pm SD for four independent experiments. (B) Western blots for GPR64, TMEM98, FAT4, RAP1A & FN1 using whole cell extracts expression from Oct4hi, Octmed & Oct4low, isolated as for 'A'. The results represent four different independent experiments. Image collected & cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-017-18834-5>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Bliss SA, Paul S, Pobiaryzn PW et al. Evaluation of a developmental hierarchy for breast cancer cells to assess risk-based patient selection for targeted treatment Sci Rep 2018-01-10 [PMID: 29321622] (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@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-84906

NBP1-84906PEP	GPR64 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

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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.

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