

Product Datasheet

GRPEL2 Antibody - BSA Free

NBP1-85099

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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Publications: 2

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Updated 12/2/2025 v.20.1

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NBP1-85099

GRPEL2 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 | Affinity purified |
| Buffer | PBS (pH 7.2) and 40% Glycerol |

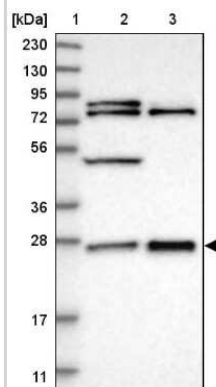
| Product Description | |
|---------------------|--|
| Description | Novus Biologicals Rabbit GRPEL2 Antibody - BSA Free (NBP1-85099) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GRPEL2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 134266 |
| Gene Symbol | GRPEL2 |
| Species | Human, Mouse, Rat |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: VRSLWAGRLRVQRLLAWSAAWESKGWPLPFSTATQRTAGEDCRSEDPPDEL GPPLAERALRVKAVKLEKEVQDLTVRYQRAIADCENIRRRRTQRCVEDAKIFGIQ SFCKDLVE |

| Product Application Details | |
|------------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50 |
| Application Notes | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. |

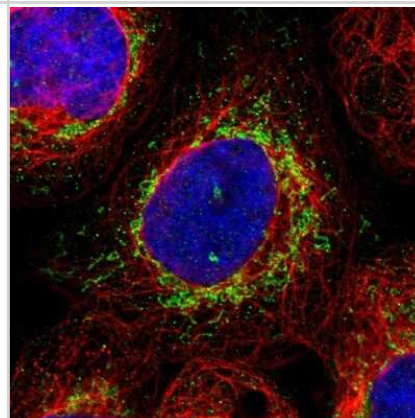


Images

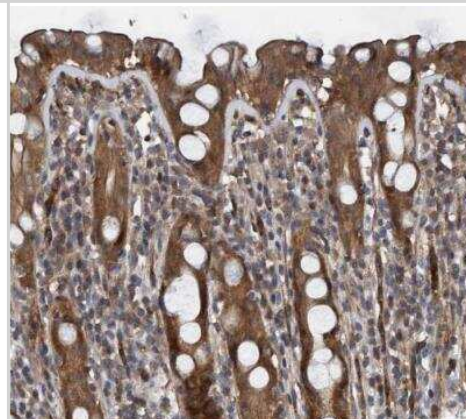
Western Blot: GRPEL2 Antibody [NBP1-85099] - Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp



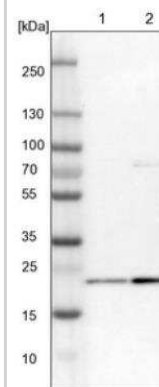
Immunocytochemistry/Immunofluorescence: GRPEL2 Antibody [NBP1-85099] - Staining of human cell line A-431 shows localization to mitochondria. Antibody staining is shown in green.



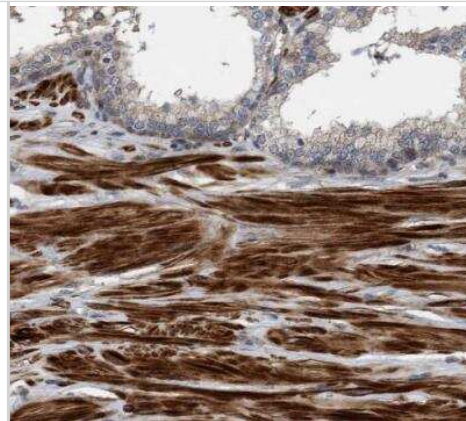
Immunohistochemistry-Paraffin: GRPEL2 Antibody [NBP1-85099] - Staining of human rectum shows moderate cytoplasmic positivity in glandular cells.



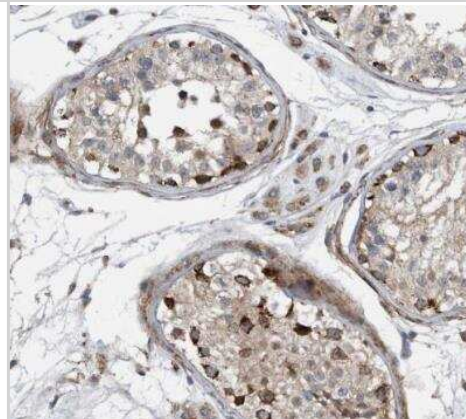
Western Blot: GRPEL2 Antibody [NBP1-85099] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells). Lane 2: NBT-II cell lysate (Rat Wistar bladder tumor cells).



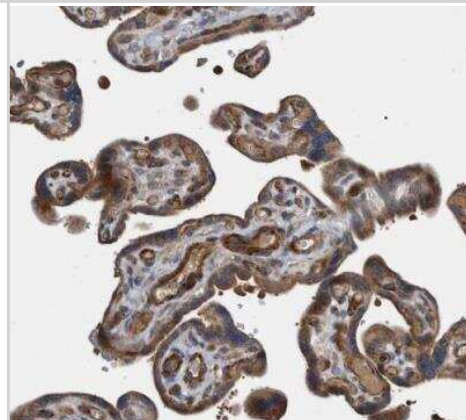
Immunohistochemistry-Paraffin: GRPEL2 Antibody [NBP1-85099] - Staining of human prostate shows strong cytoplasmic positivity in smooth muscle cells.



Immunohistochemistry-Paraffin: GRPEL2 Antibody [NBP1-85099] - Staining of human testis shows strong cytoplasmic positivity in a subset of cells in seminiferous ducts.



Immunohistochemistry-Paraffin: GRPEL2 Antibody [NBP1-85099] - Staining of human placenta shows moderate cytoplasmic positivity in trophoblastic cells.



Publications

Konovalova S, Torregrosa-Muñumer R, Manjunath P, et al. Small mitochondrial protein NERCLIN regulates cardiolipin homeostasis and mitochondrial ultrastructure bioRxiv 2021-01-04

Konovalova S, Liu X, Manjunath P et al. Redox regulation of GRPEL2 nucleotide exchange factor for mitochondrial HSP70 chaperone Redox Biol 2018-08-04 [PMID: 30098457] (ICC/IF, Human)



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Products Related to NBP1-85099

| | |
|---------------|---|
| NBP1-85099PEP | GRPEL2 Recombinant Protein Antigen |
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| 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.

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