

Product Datasheet

GRPEL1 Antibody - BSA Free

NBP1-83557

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: 1

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Updated 12/2/2025 v.20.1

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NBP1-83557

GRPEL1 Antibody - BSA Free

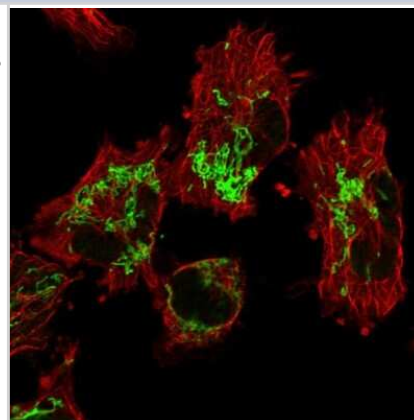
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit GRPEL1 Antibody - BSA Free (NBP1-83557) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GRPEL1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	80273
Gene Symbol	GRPEL1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VLEKATQCVPKEEIKDDNPHLKNLYEGLVMTEVQIQKVFTKHGLLKLNPVGAKF DPYEHEALFHTPVEGKEPGTVALVSKVGYK

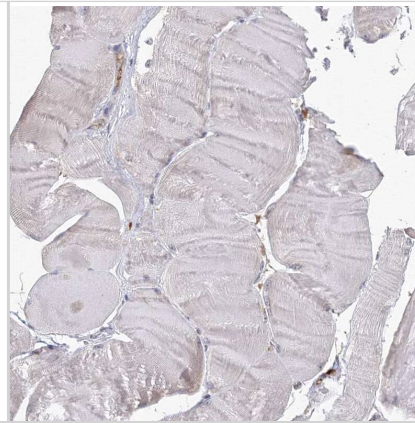
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

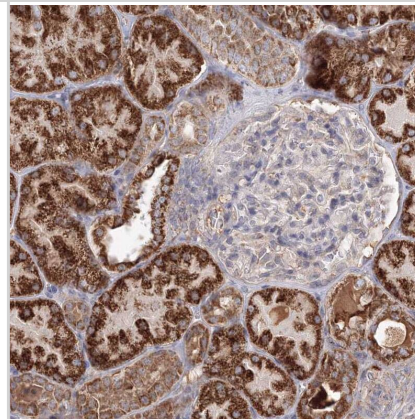
Immunocytochemistry/Immunofluorescence: GRPEL1 Antibody [NBP1-83557] - Immunofluorescent staining of human cell line U-251 MG shows localization to mitochondria. Antibody staining is shown in green.



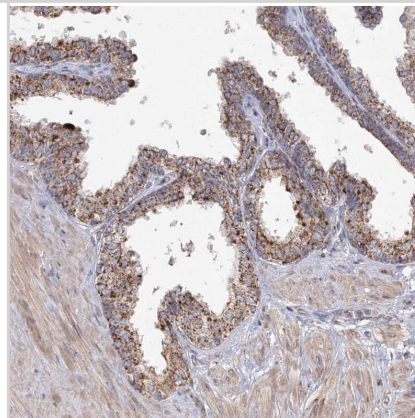
Staining of human skeletal muscle shows no positivity in myocytes as expected.



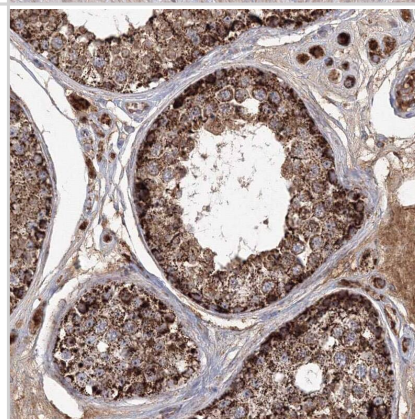
Staining of human kidney shows strong granular cytoplasmic positivity in cells in tubules.



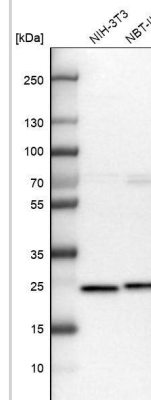
Staining of human prostate shows moderate granular cytoplasmic positivity in glandular cells.



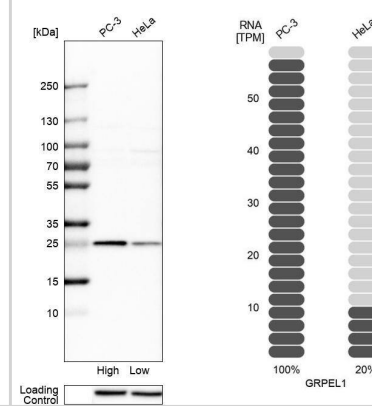
Staining of human testis shows strong granular cytoplasmic positivity in cells in seminiferous ducts.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Analysis in human cell lines PC-3 and HeLa using Anti-GRPEL1 antibody. Corresponding GRPEL1 RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



Publications

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 NBP1-83557

NBP1-83557PEP	GRPEL1 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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