

Product Datasheet

GRHL1 Antibody - BSA Free

NBP1-81322

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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NBP1-81322

GRHL1 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

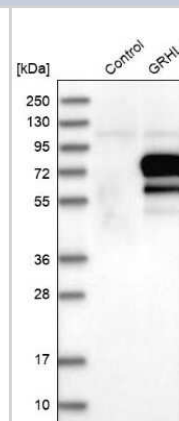
Product Description	
Description	Novus Biologicals Rabbit GRHL1 Antibody - BSA Free (NBP1-81322) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GRHL1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	29841
Gene Symbol	GRHL1
Species	Human
Reactivity Notes	Reactivity reported in scientific literature (PMID: 23690579)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VTVSIATMPTHSIKTETQPHGFAVGIPPAVYHPEPTERVVVFDRNLNTDQFSSG AQAPNAQRRTPDSTFSETFKEGVQEVFFPSDLSLRMPGMNSEDYVFDSVSGN NFEYTLASKSLRQKPGDSTMTYLNK

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

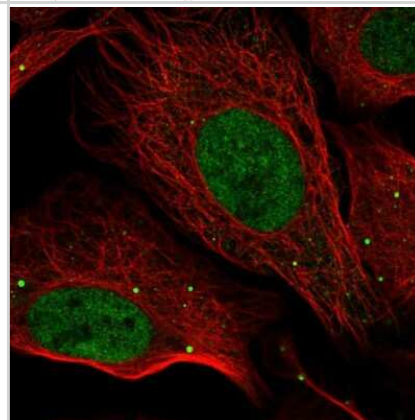


Images

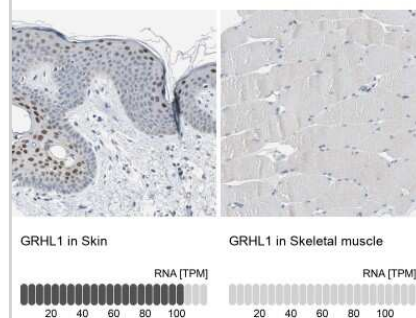
Western Blot: GRHL1 Antibody [NBP1-81322] - Analysis in control (vector only transfected HEK293T lysate) and GRHL1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



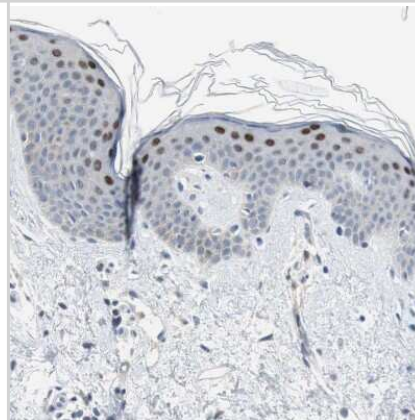
Immunocytochemistry/Immunofluorescence: GRHL1 Antibody [NBP1-81322] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleoplasm & vesicles.



Immunohistochemistry-Paraffin: GRHL1 Antibody [NBP1-81322] - Staining in human skin and skeletal muscle tissues using NBP1-81322 antibody. Corresponding GRHL1 RNA-seq data are presented for the same tissues.



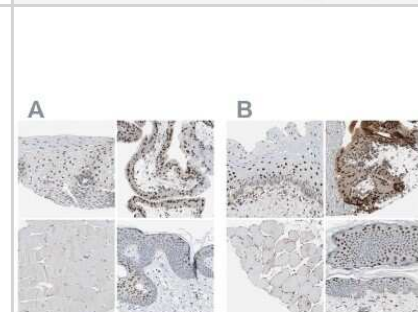
Immunohistochemistry-Paraffin: GRHL1 Antibody [NBP1-81322] - Staining of human skin shows moderate to strong nuclear positivity in a subset of squamous epithelial cells.



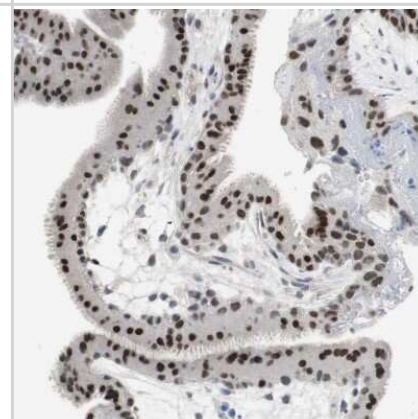
Immunohistochemistry-Paraffin: GRHL1 Antibody [NBP1-81322] - Staining of human esophagus shows moderate to strong nuclear positivity in squamous epithelial cells.



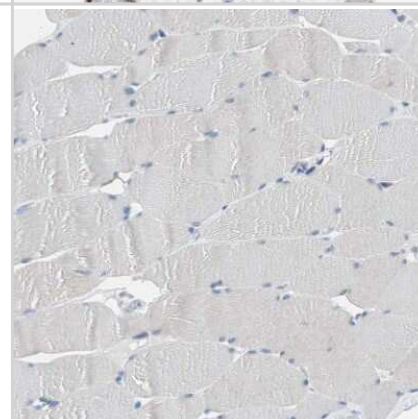
Immunohistochemistry-Paraffin: GRHL1 Antibody [NBP1-81322] - Staining of human esophagus, placenta, skeletal muscle and skin using Anti-GRHL1 antibody NBP1-81322 (A) shows similar protein distribution across tissues to independent antibody NBP1-81321 (B).



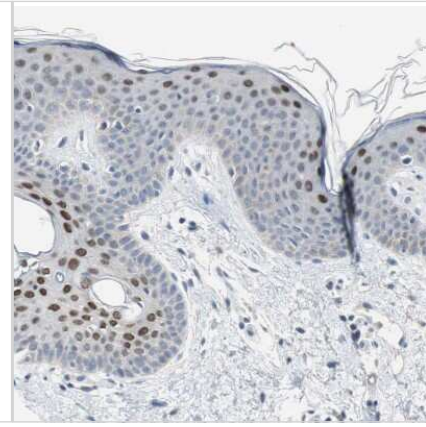
Immunohistochemistry-Paraffin: GRHL1 Antibody [NBP1-81322] - Staining of human placenta shows strong nuclear positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: GRHL1 Antibody [NBP1-81322] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: GRHL1 Antibody [NBP1-81322] - Staining of human skin shows moderate to strong nuclear positivity in squamous epithelial cells.



Publications

Gao X, Vockley CM, Pauli F et al. Evidence for multiple roles for grainyhead-like 2 in the establishment and maintenance of human mucociliary airway epithelium. Proc Natl Acad Sci U S A 2013-06-04 [PMID: 23690579]



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Products Related to NBP1-81322

NBP1-81322PEP	GRHL1 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.

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