

# Product Datasheet

## GRHL2 Antibody - BSA Free

### NBP1-88552

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: 7

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**NBP1-88552**

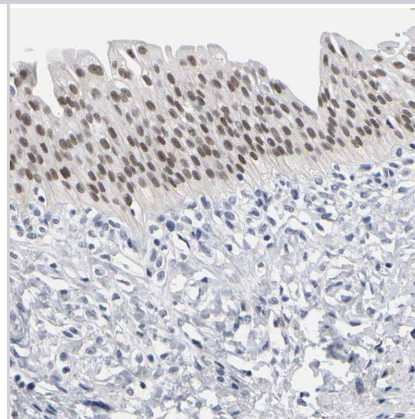
GRHL2 Antibody - BSA Free

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	
Host	Rabbit
Gene ID	79977
Gene Symbol	GRHL2
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (87%). Use in Mouse reported in scientific literature (PMID:24375798).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: NRVQVLKTVPVNLSLNQDHLNSKREQYSISFPESAIIPVSGITVVKAEDFTPV FMAPPVHYPRGDGEEQRVVFQEQYDVPVSLATHSAYLKDDQRSTPDSTYSES FKDAATEKFRSASVGAEEYMYDQTSSGTFQYTLKSLRQK
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID:24375798), Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

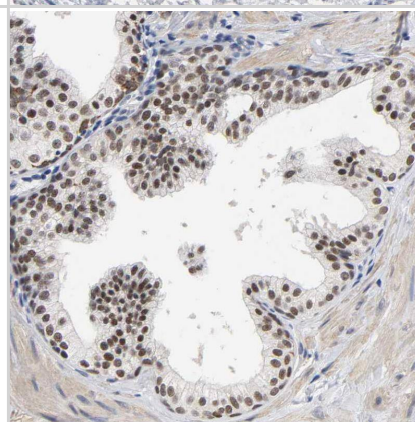


## Images

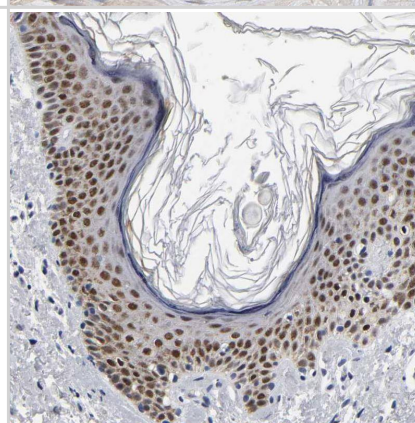
Staining of human urinary bladder shows strong nuclear positivity in urothelial cells.



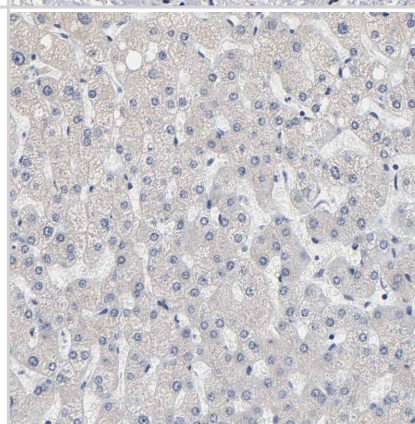
Staining of human prostate shows strong nuclear positivity in glandular cells.



Staining of human skin shows strong nuclear positivity in squamous epithelial cells.



Staining of human liver shows no positivity as expected.



## Publications

Quan Y, Xu M et al. Grainyhead-like 2 Promotes Tumor Growth and is Associated with Poor Prognosis in Colorectal Cancer. *J Cancer* 2015-03-15 [PMID: 25767604] (IF/IHC, WB, Human)

Varma S, Mahavadi P et al. Grainyhead-like 2 (GRHL2) distribution reveals novel pathophysiological differences between human idiopathic pulmonary fibrosis and mouse models of pulmonary fibrosis. *Am J Physiol Lung Cell Mol Physiol* 2014-01-03 [PMID: 24375798] (ICC/IF, Mouse)

Torres-Reyes LA, Alvarado-Ruiz L, Pina-Sanchez P et al. Expression of transcription factor grainyhead-like 2 is diminished in cervical cancer. *Int J Clin Exp Pathol* 2014-01-01 [PMID: 25550776] (IF/IHC, Human)

Quan Y, Jin R, Huang A et al. Downregulation of GRHL2 inhibits the proliferation of colorectal cancer cells by targeting ZEB1. *Cancer Biol Ther* 2014-07-01 [PMID: 24756066] (IF/IHC, Human)

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]

Varma S, Cao Y, Tagne JB et al. The Transcription Factors Grainyhead-like 2 and NK2-Homeobox 1 Form a Regulatory Loop That Coordinates Lung Epithelial Cell Morphogenesis and Differentiation. *J Biol Chem* 2012-10-26 [PMID: 22955271]

Butz H, Szabo PM, Nofech-Mozes R et al. Integrative Bioinformatics Analysis Reveals New Prognostic Biomarkers of Clear Cell Renal Cell Carcinoma. *Clin Chem*. 2014-08-19 [PMID: 25139457] (IHC-P)





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### **Products Related to NBP1-88552**

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NBP1-88552PEP	GRHL2 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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### **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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