

# Product Datasheet

## GRHL2 Antibody - Azide and BSA Free H00079977-A01

Unit Size: 0.05 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00079977-A01**

GRHL2 Antibody - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.05 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Unpurified
<b>Buffer</b>	50% Glycerol

**Product Description**

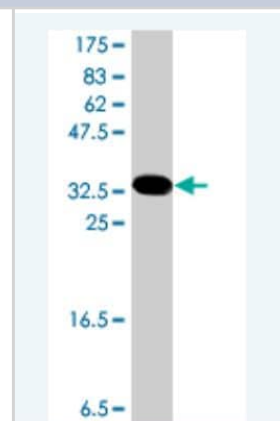
<b>Host</b>	Mouse
<b>Gene ID</b>	79977
<b>Gene Symbol</b>	GRHL2
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	GRHL2 - grainyhead-like 2 (Drosophila)
<b>Immunogen</b>	GRHL2 (NP_079191, 111 a.a. - 210 a.a.) partial recombinant protein with GST tag. ENRVQVLKTVPVNLSLNQDHLNSKREQYSISFPESAIIPVSGITVVKAEDFTP VFMAPPVHYPRGDGEEQRRVVFIEQTQYDVPSLATHSAYLKDDQRS
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA
<b>Application Notes</b>	The quality control of this antibody is limited to Western blot on the immunizing protein. It has also been used for ELISA. Abnova's recommended working dilutions for western analysis are as follows: 1:500 dilution for ascites 1:1000 for purified Ig 1:500

**Images**

Western Blot: GRHL2 Antibody [H00079977-A01] - Detection against Immunogen (37.11 KDa) .



## Publications

Chen W, Shin KH, Kim S et al. hTERT peptide fragment GV1001 demonstrates radioprotective and antifibrotic effects through suppression of TGF- $\beta$  signaling. *Int J Mol Med* 2018-03-14 [PMID: 29568955]

Chen W, Kang KL, Alshaikh A et al. Grainyhead-like 2 (GRHL2) knockout abolishes oral cancer development through reciprocal regulation of the MAP kinase and TGF- $\beta$  signaling pathways. *Oncogenesis* 2018-05-08 [PMID: 29735981]

Chen W, Shimane T, Kawano S et al. Human Papillomavirus 16 E6 Induces FoxM1B in Oral Keratinocytes through GRHL2. *J Dent Res* 2018-02-14 [PMID: 29443638]

Chen W, Yi JK, Shimane T et al. Grainyhead-like 2 regulates epithelial plasticity and stemness in oral cancer cells. *Carcinogenesis* 2016-01-01 [PMID: 26933170]

Kang X, Chen W, Kim RH et al. Regulation of the hTERT promoter activity by MSH2, the hnRNPs K and D, and GRHL2 in human oral squamous cell carcinoma cells. *Oncogene*. 2009-01-29 [PMID: 19015635]

Chen W, Dong Q, Shin KH et al. Grainyhead-like 2 Enhances the Human Telomerase Reverse Transcriptase Gene Expression by Inhibiting DNA Methylation at the 5'-CpG Island in Normal Human Keratinocytes. *J Biol Chem*. 2010-10-11 [PMID: 20938050]

Chen W, Xiao Liu Z, Oh JE et al. Grainyhead-like 2 (GRHL2) inhibits keratinocyte differentiation through epigenetic mechanism. *Cell Death Dis*. 2012-12-28 [PMID: 23254293]

Werner S, Frey S, Riethdorf S et al. Dual Roles of the Transcription Factor Grainyhead-like 2 (GRHL2) in Breast Cancer. *J Biol Chem*. 2013-06-29 [PMID: 23814079]





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### **Products Related to H00079977-A01**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse IgG Isotype Control
H00079977-P01-10ug	Recombinant Human GRHL2 GST (N-Term) Protein

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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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