

# GRHL1 Rabbit pAb

GRHL1 Rabbit pAb  
Catalog # AP56210

## Product Information

---

<b>Application</b>	IHC-P, IHC-F, IF
<b>Primary Accession</b>	<a href="#">Q9NZI5</a>
<b>Reactivity</b>	Rat
<b>Predicted</b>	Human, Mouse, Dog, Pig, Horse, Rabbit, Sheep
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	70113
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human GRHL1
<b>Epitope Specificity</b>	151-250/618
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Nucleus.
<b>SIMILARITY</b>	Belongs to the grh/CP2 family. Grainyhead subfamily.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	This gene encodes a member of the grainyhead family of transcription factors. The encoded protein can exist as a homodimer or can form heterodimers with sister-of-mammalian grainyhead or brother-of-mammalian grainyhead. This protein functions as a transcription factor during development. [provided by RefSeq, Jun 2009]

## Additional Information

---

<b>Gene ID</b>	29841
<b>Other Names</b>	Grainyhead-like protein 1 homolog {ECO:0000312 HGNC:HGNC:17923}, Mammalian grainyhead, NH32, Transcription factor CP2-like 2, Transcription factor LBP-32, GRHL1 ( <a href="#">HGNC:17923</a> )
<b>Target/Specificity</b>	Isoform 1 is highly expressed in brain, pancreas, tonsil, placenta and kidney. Isoform 2 is highly expressed in brain and liver. Highly expressed in placental JEG-3 cells and at very low levels in non-steroidogenic cells. No expression detected in adrenal NCI-H295A cells.
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

---

<b>Name</b>	GRHL1 ( <a href="#">HGNC:17923</a> )
<b>Function</b>	Transcription factor involved in epithelial development. Binds directly to the consensus DNA sequence 5'-AACCGGTT-3' (PubMed: <a href="#">12175488</a> , PubMed: <a href="#">18288204</a> , PubMed: <a href="#">29309642</a> ). Important regulator of DSG1 in the context of hair anchorage and epidermal differentiation, participates in the maintenance of the skin barrier. There is no genetic interaction with GRHL3, nor functional cooperativity due to diverse target gene selectivity during epithelia development (By similarity). May play a role in regulating glucose homeostasis and insulin signaling.
<b>Cellular Location</b>	Nucleus
<b>Tissue Location</b>	Isoform 1 is highly expressed in brain, pancreas, tonsil, placenta and kidney. Isoform 2 is highly expressed in brain and liver. Expressed at very low levels in non-steroidogenic cells

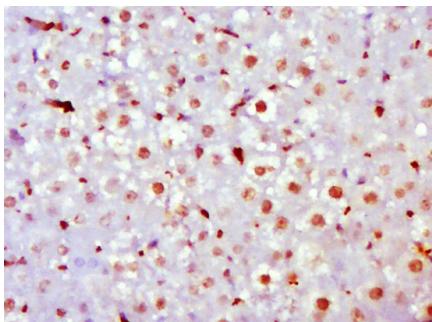
## Background

---

This gene encodes a member of the grainyhead family of transcription factors. The encoded protein can exist as a homodimer or can form heterodimers with sister-of-mammalian grainyhead or brother-of-mammalian grainyhead. This protein functions as a transcription factor during development. [provided by RefSeq, Jun 2009]

## Images

---



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GRHL1) Polyclonal Antibody, Unconjugated (AP56210) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.