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GRHL1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10035

Specification

GRHL1 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9NZI5
Other Accession	Q9NZI5, NP_055367, NM_014552
Reactivity	**Human, Mouse, Rat, Pig, Dog, Horse, Bovine**
Predicted	**Human, Mouse, Rat, Dog, Horse, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**70 kDa KDa**

GRHL1 antibody - N-terminal region - Additional Information

Gene ID 29841

Alias Symbol	**LBP-32, LBP32, MGR, TFCP2L2, NH32**

Other Names
Grainyhead-like protein 1 homolog, Mammalian grainyhead, NH32, Transcription factor CP2-like 2, Transcription factor LBP-32, GRHL1, LBP32, MGR, TFCP2L2

Target/Specificity
GRHL1 is a member of the grainyhead family of transcription factors. GRHL1 interacts with sister of mammalian grainyhead (SOM) and may function as a transcription factor during development. Two transcript variants encoding distinct isoforms have been identified for GRHL1.This gene encodes a member of the grainyhead family of transcription factors. The encoded protein interacts with sister of mammalian grainyhead (SOM) and may function as a transcription factor during development. Two transcript variants encoding distinct isoforms have been identified for this gene.

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-GRHL1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions
GRHL1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

GRHL1 antibody - N-terminal region - Protein Information

Name GRHL1 (HGNC:17923)

Function
Transcription factor involved in epithelial development. Binds directly to the consensus DNA sequence 5'-AACCGGTT-3' (PubMed:12175488, PubMed:18288204, PubMed:29309642). 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.

Cellular Location
Nucleus

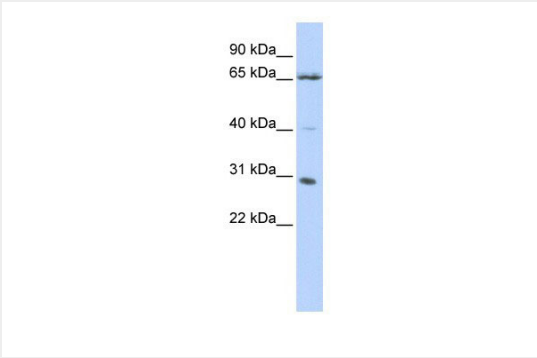
Tissue Location
Isoform 1 is highly expressed in brain, pancreas, tonsil, placenta and kidney. Isoform 2 is highly expressed in brain and liver. Expressed at very low levels in non-steroidogenic cells

GRHL1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GRHL1 antibody - N-terminal region - Images



GRHL1 antibody - N-terminal region (AI10035) in Human Jurkat cells using Western Blot
WB Suggested Anti-GRHL1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Jurkat cell lysate

GRHL1 antibody - N-terminal region - Background

This is a rabbit polyclonal antibody against GRHL1. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole

protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).