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Datasheet for ABIN7154383
anti-GRHL3 antibody (AA 31-182) (HRP)

Overview

Quantity:	100 µg
Target:	GRHL3
Binding Specificity:	AA 31-182
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRHL3 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Grainyhead-like protein 3 homolog protein (31-182AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	GRHL3
Alternative Name:	GRHL3 (GRHL3 Products)
Background:	Background: Transcription factor playing important roles in primary neurulation and in the differentiation of stratified epithelia of both ectodermal and endodermal origin (By similarity).

Target Details

Binds directly to the consensus DNA sequence 5\'-AACCGGTT-3\' acting as an activator and repressor on distinct target genes (PubMed:21081122, PubMed:25347468). Exhibits functional redundancy with GRHL2 in epidermal morphogenetic events and epidermal wound repair (By similarity). Exhibits functional redundancy with GRHL2 in epidermal morphogenetic events and epidermal wound repair but is essential to form the epidermal barrier with TGM3 as critical direct target gene among others. Despite being dispensable during normal epidermal homeostasis in the adulthood, is again required for barrier repair after immune-mediated epidermal damage, regulates distinct gene batteries in embryonic epidermal differentiation and adult epidermal barrier reformation after injury. Plays unique and cooperative roles with GRHL2 in establishing distinct zones of primary neurulation. Essential for spinal closure, functions cooperatively with GRHL2 in closure 2 (forebrain/midbrain boundary) and posterior neuropore closure (By similarity). Also required for proper development of the oral periderm (PubMed:24360809). No genetic interaction with GRHL3, no functional cooperativity due to diverse target gene selectivity (PubMed:21081122).

Aliases: Drosophila antibody, Grainyhead like 3 antibody, Grainyhead like protein 3 homolog antibody, Grainyhead-like protein 3 homolog antibody, grhl3 antibody, GRHL3_HUMAN antibody, Sister of mammalian grainyhead antibody, Sister of mammalian grainyhead protein antibody, SOM antibody, TFCP2L4 antibody, Transcription factor CP2 like 4 antibody, Transcription factor CP2-like 4 antibody

UniProt: [Q8TE85](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.