

Datasheet for ABIN7599505
anti-GRHL2 antibody (AA 1-625)



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Overview

Quantity:	100 µg
Target:	GRHL2
Binding Specificity:	AA 1-625
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRHL2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-GRHL2 Antibody Picoband®
Immunogen:	E.coli-derived human GRHL2 recombinant protein (Position: M1-I625).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-GRHL2 Antibody Picoband® (ABIN7599505). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	GRHL2
Alternative Name:	GRHL2 (GRHL2 Products)
Background:	Synonyms: Olfactomedin-4, OLM4, Antiapoptotic protein GW112, G-CSF-stimulated clone 1 protein, hGC-1, hOLfD, OLFM4, GW112, UNQ362, PRO698 Tissue Specificity: Expressed during myeloid lineage development. Much higher expression in bone marrow neutrophils than in peripheral blood neutrophils (at protein level). Strongly expressed in the prostate, small intestine and colon and moderately expressed in the bone marrow and stomach. Overexpressed in some pancreatic cancer tissues. Background: The protein encoded by this gene is a transcription factor that can act as a homodimer or as a heterodimer with either GRHL1 or GRHL3. Defects in this gene are a cause of non-syndromic sensorineural deafness autosomal dominant type 28 (DFNA28).
Molecular Weight:	71 kDa
Gene ID:	79977
Pathways:	Tube Formation

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Chen, W., Dong, Q., Shin, K.-H., Kim, R. H., Oh, J.-E., Park, N.-H., Kang, M. K. Grainyhead-like 2 enhances the human telomerase reverse transcriptase gene expression by inhibiting DNA methylation at the 5-prime-CpG island in normal human keratinocytes. J. Biol. Chem. 285: 40852-40863, 2010. 2. Han, Y., Mu, Y., Li, X., Xu, P., Tong, J., Liu, Z., Ma, T., Zeng, G., Yang, S., Du, J., Meng, A. Grhl2 deficiency impairs otic development and hearing ability in a zebrafish model of the progressive dominant hearing loss DFNA28. Hum. Molec. Genet. 20: 3213-3226, 2011. 3. Jacobs, J., Atkins, M., Davie, K., Imrichova, H., Romanelli, L., Christiaens, V., Hulselmans, G., Potier, D., Wouters, J., Taskiran, I. I., Paciello, G., Gonzalez-Blas, C. B., Koldere, D., Aibar, S., Halder, G., Aerts, S. The transcription factor grainy head primes epithelial enhancers for spatiotemporal activation by displacing nucleosomes. Nature Genet. 50: 1011-1020, 2018.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.