Datasheet for ABIN6719529

anti-GPD1L antibody (AA 19-351)

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Overview

Quantity:	100 µg
Target:	GPD1L
Binding Specificity:	AA 19-351
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPD1L antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-GPD1L Antibody Picoband®
Immunogen:	E.coli-derived human GPD1L recombinant protein (Position: A19-T351).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-GPD1L Antibody Picoband® (ABIN6719529). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. 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:	GPD1L
Alternative Name:	GPD1L (GPD1L Products)
Background:	Synonyms: Glycerol-3-phosphate dehydrogenase 1-like protein, GPD1-L, GPD1L, KIAA0089 Tissue Specificity: Most highly expressed in heart tissue, with lower levels in the skeletal muscle, kidney, lung and other organs. Background: GPD1L is a human gene. It is mapped to 3p22.3. The protein encoded by this gene contains a glycerol-3-phosphate dehydrogenase (NAD+) motif and shares 72 % sequence identity with GPD1. The encoded protein is found in the cytoplasm, associated with the plasma membrane, where it binds the sodium channel, voltage-gated, type V, alpha subunit (SCN5A). Defects in this gene are a cause of Brugada syndrome type 2 (BRS2) as well as sudden infant death syndrome (SIDS).
Molecular Weight:	38 kDa
Gene ID:	23171
UniProt:	Q8N335

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL ELISA, 0.1-0.5 µg/mL 1. London, B., Michalec, M., Mehdi, H., Zhu, X., Kerchner, L., Sanyal, S., Viswanathan, P. C., Pfahnl, A. E., Shang, L. L., Madhusudanan, M., Baty, C. J., Lagana, S., Aleong, R., Gutmann, R., Ackerman, M. J., McNamara, D. M., Weiss, R., Dudley, S. C., Jr. Mutation in glycerol-3-phosphate dehydrogenase 1-like gene (GPD1-L) decreases cardiac Na+ current and causes inherited arrhythmias. Circulation 116: 2260-2268, 2007. 2. Van Norstrand, D. W., Valdivia, C. R., Tester, D. J., Ueda, K., London, B., Makielski, J. C., Ackerman, M. J. Molecular and functional characterization of novel glycerol-3-phosphate dehydrogenase 1-like gene (GPD1-L) mutations in sudden infant death syndrome. Circulation 116: 2253-2259, 2007.
Comment:	Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Add 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 Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.