Datasheet for ABIN7602643

anti-GRPEL1 antibody (AA 90-217)

Go to Product page

Overview

Quantity:	100 µg
Target:	GRPEL1
Binding Specificity:	AA 90-217
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRPEL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-GRPEL1 Antibody Picoband®
Immunogen:	E.coli-derived human GRPEL1 recombinant protein (Position: Q90-A217).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-GRPEL1 Antibody Picoband® (ABIN7602643). 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:	GRPEL1
Alternative Name:	GRPEL1 (GRPEL1 Products)
Background:	Synonyms: Mediator of RNA polymerase II transcription subunit 9, Mediator complex subunit 9, MED9, MED25, Tissue Specificity: Expressed in fetal brain, fetal lung, fetal liver, heart, brain, placenta, lung, liver, muscle, kidney and pancreas. Background: Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. Seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins.
Molecular Weight:	24 kDa
Gene ID:	80273
Pathways:	SARS-CoV-2 Protein Interactome

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/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Choglay, A. A., Chapple, J. P., Blatch, G. L., Cheetham, M. E. Identification and characterization of a human mitochondrial homologue of the bacterial co-chaperone GrpE. Gene 267: 125-134, 2001. 2. Konovalova, S., Liu, X., Manjunath, P., Baral, S., Neupane, N., Hilander, T., Yang, Y., Balboa, D., Terzioglu, M., Euro, L., Varjosalo, M., Tyynismaa, H. Redox regulation of GRPEL2 nucleotide exchange factor for mitochondrial HSP70 chaperone. Redox Biol. 19: 37-45, 2018. 3. Naylor, D. J., Stines, A. P., Hoogenraad, N. J., Hoj, P. B. Evidence for the existence of distinct mammalian cytosolic, microsomal, and two mitochondrial GrpE-like proteins, the co-chaperones of specific Hsp70 members. J. Biol. Chem. 273: 21169-21177, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

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 Na2HPO4.
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.

Copyright antibodies-online. All rights reserved.